

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032023\
 Data File : VD075512.D
 Acq On : 20 Mar 2023 10:56
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025108

Quant Time: Mar 21 05:30:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 03 23:23:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	280945	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	253387	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	131095	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	129214	18.523	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.080%
7) Chloroethane-d5	2.805	69	126696	20.987	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.960%
11) 1,1-Dichloroethene-d2	3.928	63	137356	21.080	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.320%
21) 2-Butanone-d5	6.993	46	31742	49.103	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.200%
24) Chloroform-d	7.569	84	181853	24.699	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	8.228	65	73338	22.993	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.960%
32) Benzene-d6	8.205	84	337821	22.449	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	9.210	67	101474	23.859	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.440%
41) Toluene-d8	10.269	98	314228	22.890	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.560%
43) trans-1,3-Dichloroprop...	10.528	79	42598	24.510	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.040%
47) 2-Hexanone-d5	10.881	63	31268	50.961	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.920%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	91958	25.848	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	13.816	152	115796	25.252	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	108494	25.101	ug/L	99
3) Chloromethane	2.152	50	159670	21.967	ug/L	98
5) Vinyl chloride	2.287	62	226838	24.815	ug/L	97
6) Bromomethane	2.699	94	126694	29.243	ug/L	98
8) Chloroethane	2.840	64	150628	26.203	ug/L	99
9) Trichlorofluoromethane	3.175	101	195091	28.509	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	134502	28.452	ug/L	97
12) 1,1-Dichloroethene	3.946	96	114341	27.468	ug/L #	80
13) Acetone	4.022	43	33173	45.428	ug/L	92
14) Carbon disulfide	4.269	76	277135	23.809	ug/L	100
15) Methyl Acetate	4.564	43	29577	23.867	ug/L	93
16) Methylene chloride	4.799	84	124487	20.980	ug/L	94
17) trans-1,2-Dichloroethene	5.316	96	119853	26.860	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	222082	26.781	ug/L	97
19) 1,1-Dichloroethane	6.116	63	189669	25.127	ug/L	93
20) cis-1,2-Dichloroethene	7.081	96	137796	27.337	ug/L	89
22) 2-Butanone	7.081	43	39660	42.799	ug/L	91
23) Bromochloromethane	7.428	128	60508	28.019	ug/L	91
25) Chloroform	7.593	83	224675	27.297	ug/L	99

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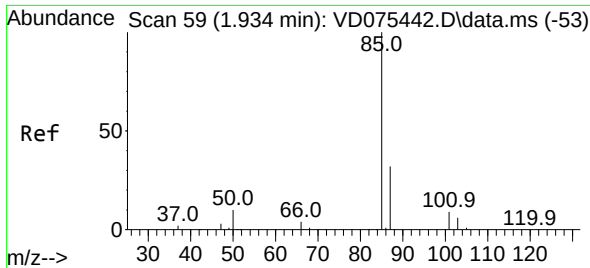
Quant Time: Mar 21 05:30:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 03 23:23:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	110055	24.795	ug/L	97
29) Cyclohexane	7.881	56	135252	24.946	ug/L	92
30) 1,1,1-Trichloroethane	7.793	97	192146	28.202	ug/L	96
31) Carbon tetrachloride	7.993	117	159991	29.565	ug/L	99
33) Benzene	8.252	78	473186	25.985	ug/L	100
34) Trichloroethene	9.028	95	129973	27.330	ug/L	98
35) Methylcyclohexane	9.275	83	197895	26.655	ug/L	96
37) 1,2-Dichloropropane	9.305	63	111312	24.875	ug/L #	97
38) Bromodichloromethane	9.587	83	159345	26.919	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	180383	26.340	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	83419	48.611	ug/L	98
42) Toluene	10.334	91	556495	27.914	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	147637	26.166	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	98317	27.509	ug/L	96
46) Tetrachloroethene	10.810	164	107022	29.368	ug/L	96
48) 2-Hexanone	10.922	43	61011	48.322	ug/L	95
49) Dibromochloromethane	11.075	129	112995	28.943	ug/L	100
50) 1,2-Dibromoethane	11.181	107	90251	27.936	ug/L #	99
51) Chlorobenzene	11.610	112	356239	27.493	ug/L	99
52) Ethylbenzene	11.687	91	597305	28.174	ug/L	98
53) m,p-Xylene	11.798	106	238179	28.514	ug/L	99
54) o-Xylene	12.122	106	228483	28.916	ug/L	99
55) Styrene	12.140	104	409702	29.194	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	104104	26.614	ug/L	95
59) Bromoform	12.304	173	64999	27.477	ug/L	97
60) Isopropylbenzene	12.422	105	627030	28.439	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	64974	24.725	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	483958	29.240	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	466917	28.851	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	275318	28.228	ug/L	96
65) 1,4-Dichlorobenzene	13.540	146	283249	28.232	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	239875	27.603	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	12567	24.625	ug/L #	73
69) 1,3,5-Trichlorobenzene	14.598	180	173032	28.291	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	141670	28.809	ug/L	100
71) Naphthalene	15.339	128	265277	27.198	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	125024	28.843	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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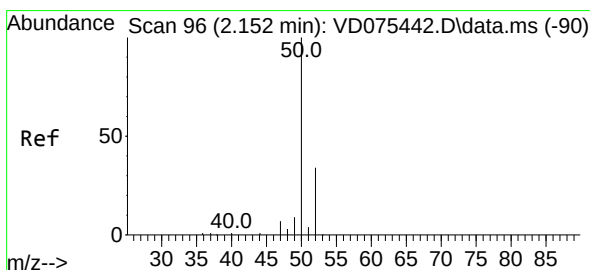
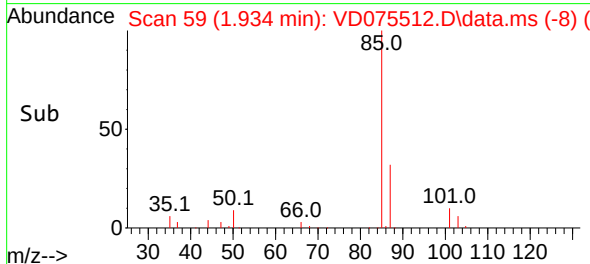
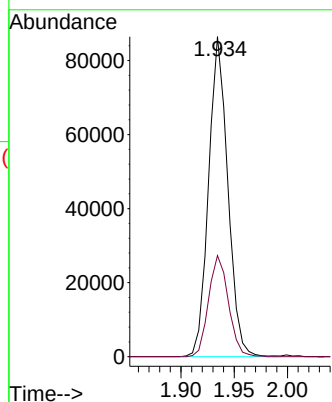
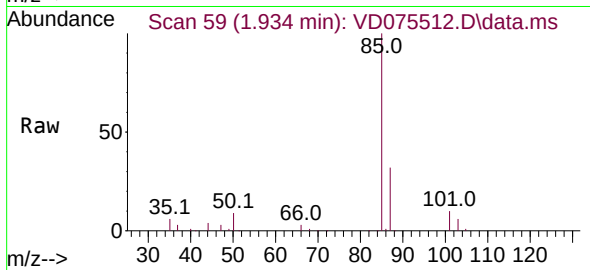




#2
 Dichlorodifluoromethane
 Concen: 25.101 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD075512.D
 Acq: 20 Mar 2023 10:56

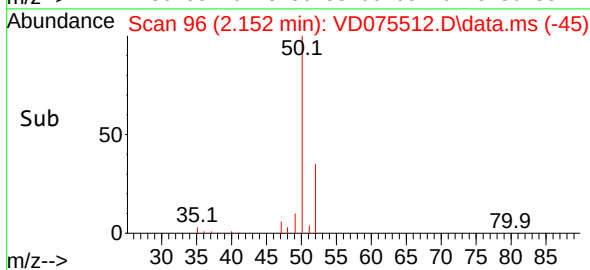
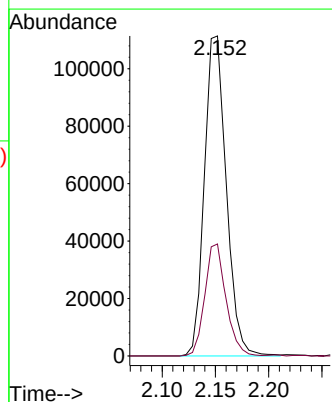
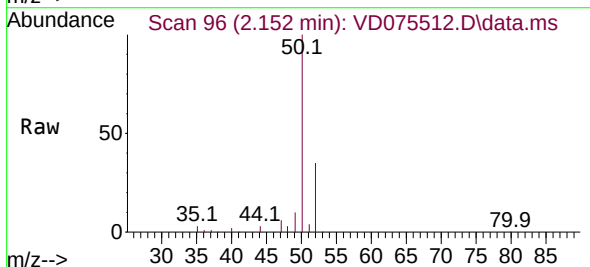
Instrument :
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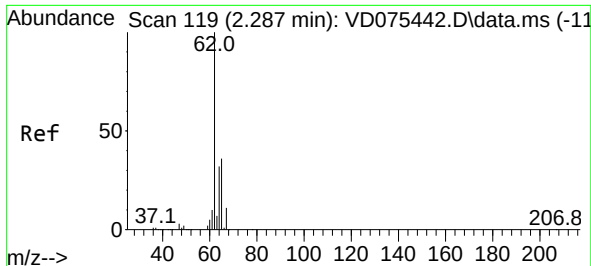
Tgt Ion: 85 Resp: 108494
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.4 39.6



#3
 Chloromethane
 Concen: 21.967 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VD075512.D
 Acq: 20 Mar 2023 10:56

Tgt Ion: 50 Resp: 159670
 Ion Ratio Lower Upper
 50 100
 52 35.0 23.7 43.9

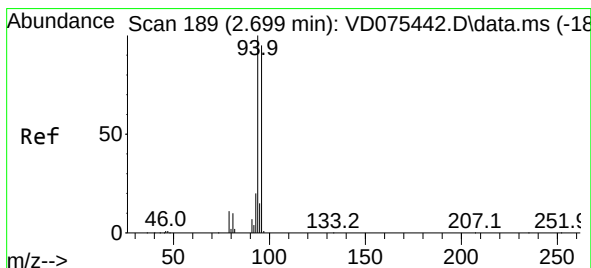
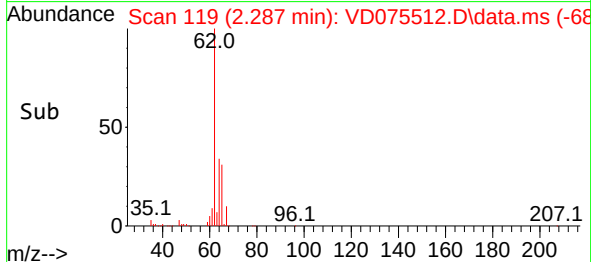
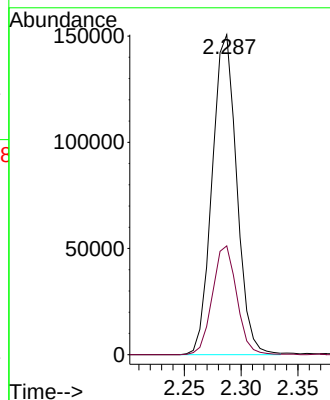
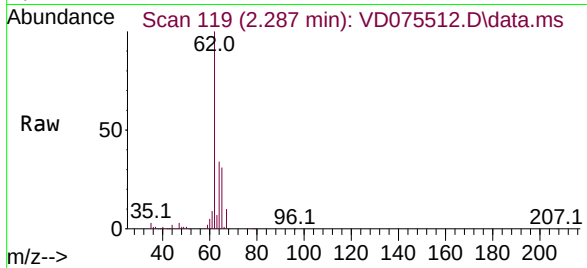




#5
 Vinyl chloride
 Concen: 24.815 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VD075512.D
 Acq: 20 Mar 2023 10:56

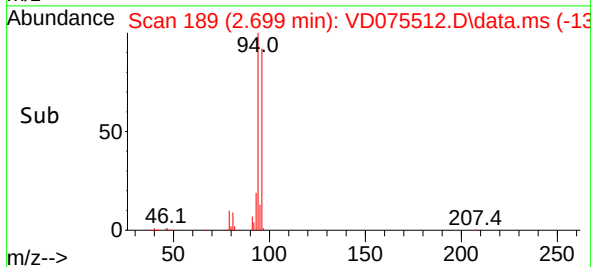
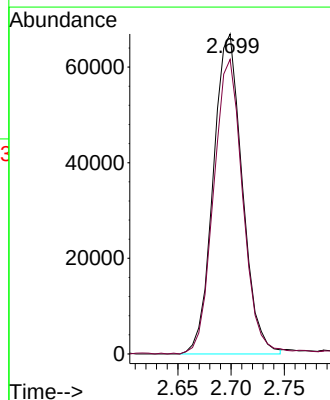
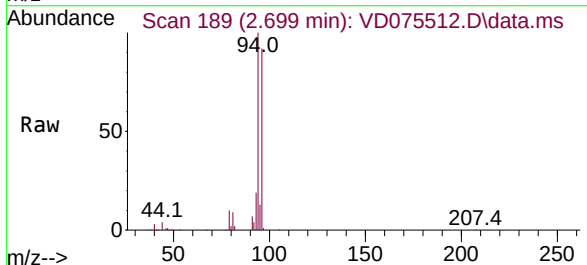
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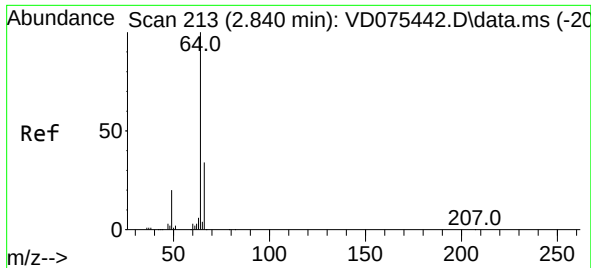
Tgt Ion: 62 Resp: 226838
 Ion Ratio Lower Upper
 62 100
 64 34.0 22.7 42.3



#6
 Bromomethane
 Concen: 29.243 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. -0.000 min
 Lab File: VD075512.D
 Acq: 20 Mar 2023 10:56

Tgt Ion: 94 Resp: 126694
 Ion Ratio Lower Upper
 94 100
 96 92.1 65.9 122.5

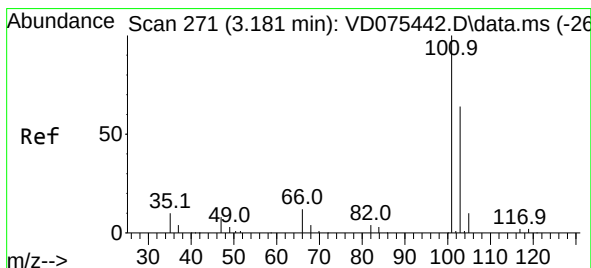
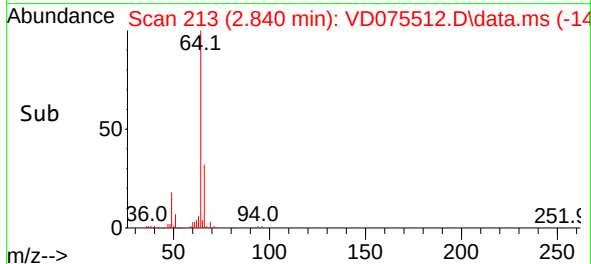
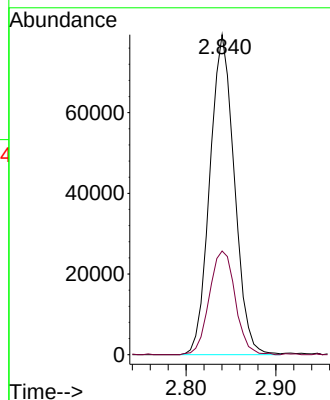
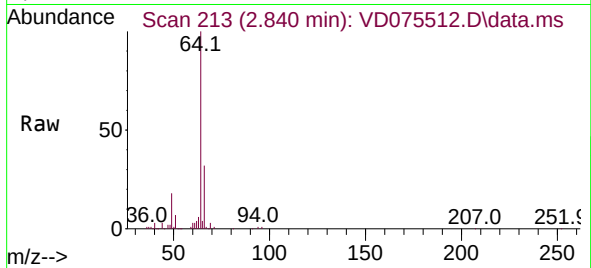




#8
Chloroethane
Concen: 26.203 ug/L
RT: 2.840 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

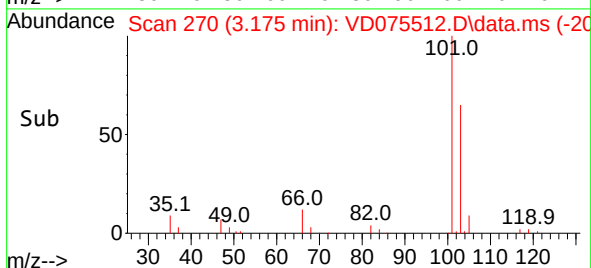
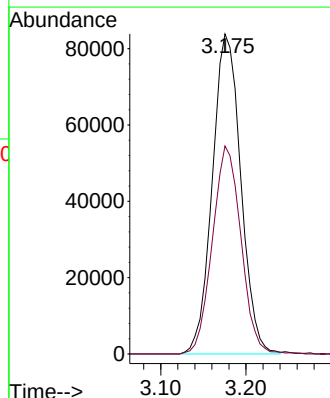
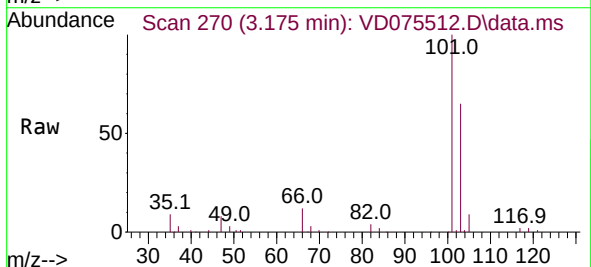
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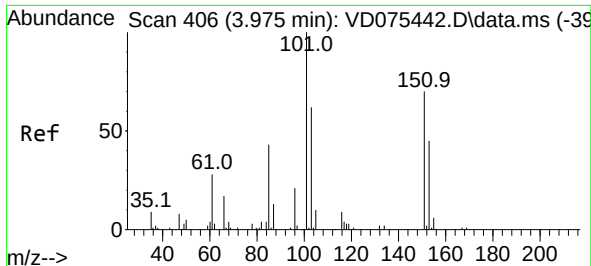
Tgt Ion: 64 Resp: 150628
Ion Ratio Lower Upper
64 100
66 32.4 22.2 41.2



#9
Trichlorofluoromethane
Concen: 28.509 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion:101 Resp: 195091
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

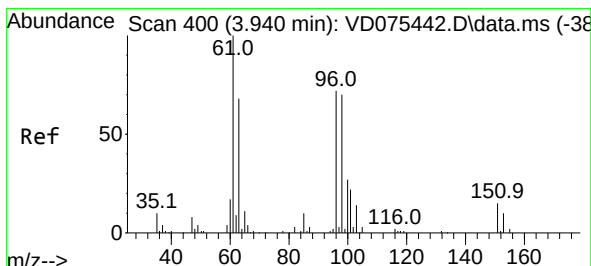
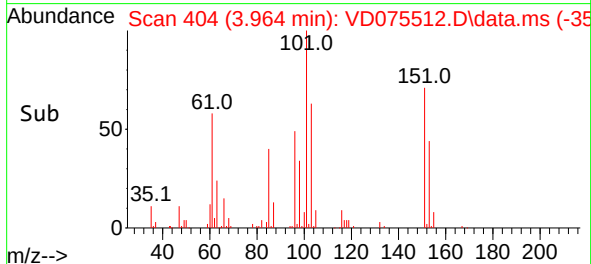
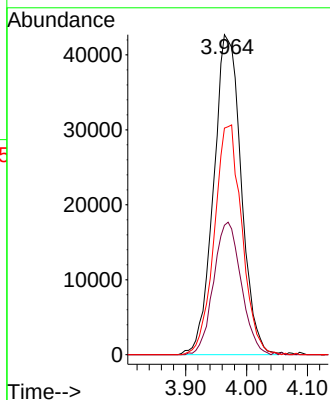
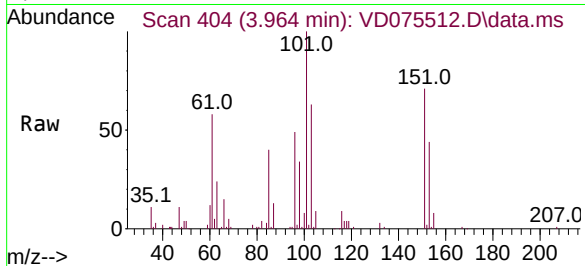




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 28.452 ug/L
RT: 3.964 min Scan# 406
Delta R.T. -0.012 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

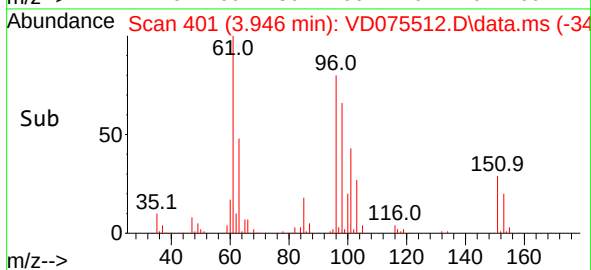
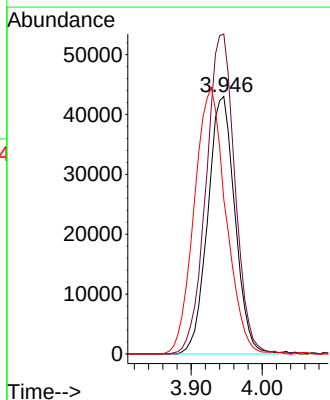
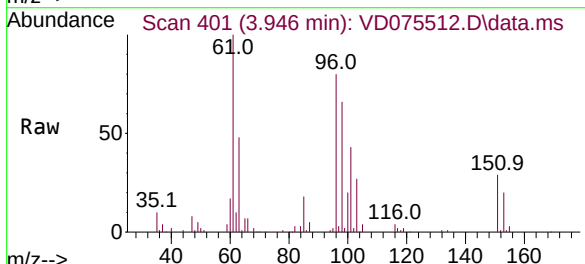
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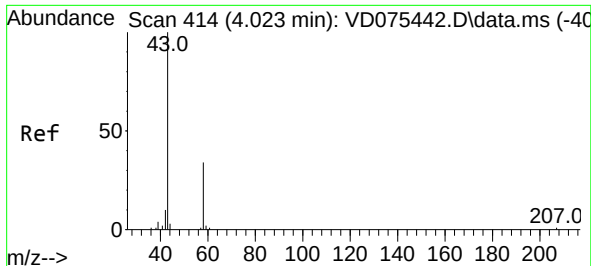
Tgt Ion:101 Resp: 134502
Ion Ratio Lower Upper
101 100
85 41.3 34.0 51.0
151 71.7 54.8 82.2



#12
1,1-Dichloroethene
Concen: 27.468 ug/L
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion: 96 Resp: 114341
Ion Ratio Lower Upper
96 100
61 124.3 97.5 181.1
63 60.0 62.4 116.0#

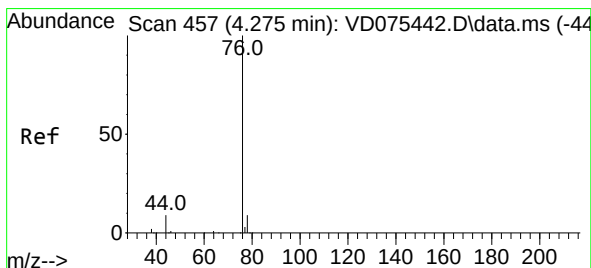
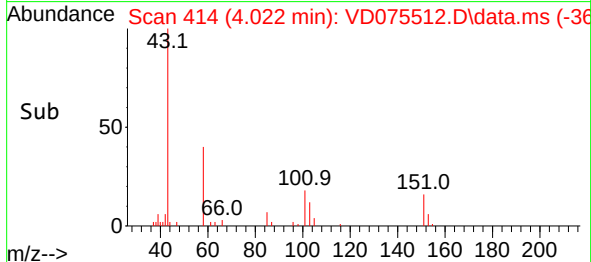
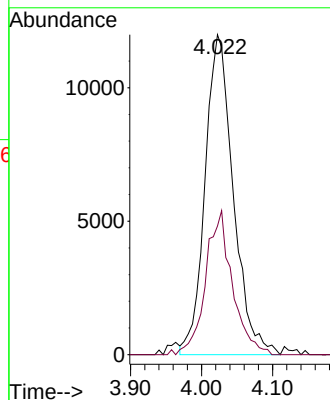
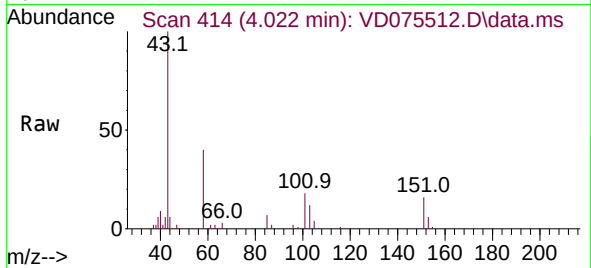




#13
Acetone
Concen: 45.428 ug/L
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

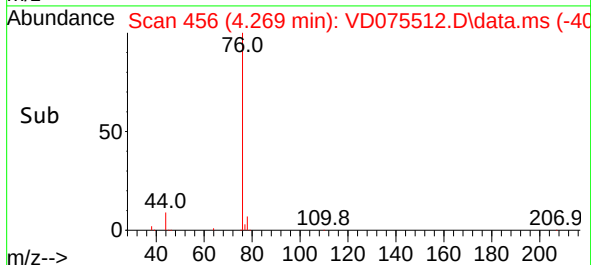
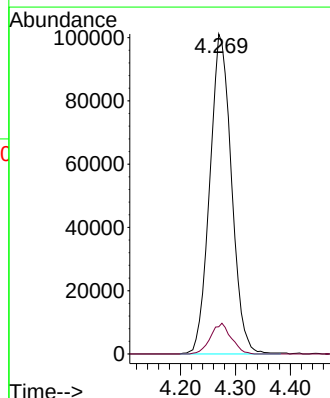
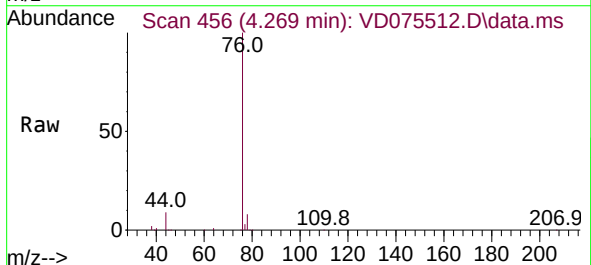
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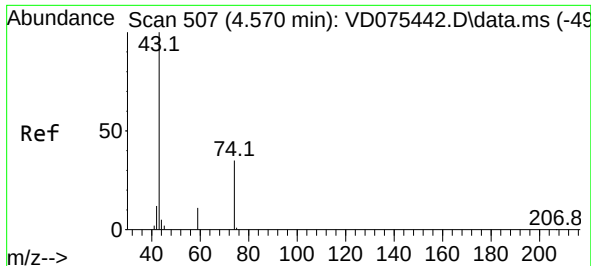
Tgt Ion: 43 Resp: 33173
Ion Ratio Lower Upper
43 100
58 42.5 0.0 75.4



#14
Carbon disulfide
Concen: 23.809 ug/L
RT: 4.269 min Scan# 456
Delta R.T. -0.006 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion: 76 Resp: 277135
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2

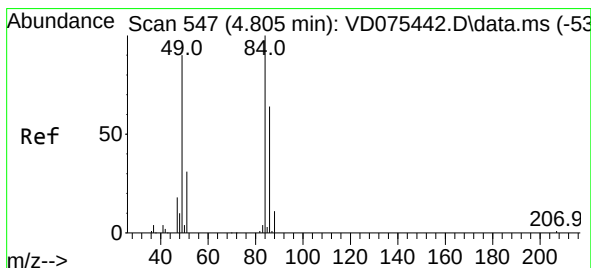
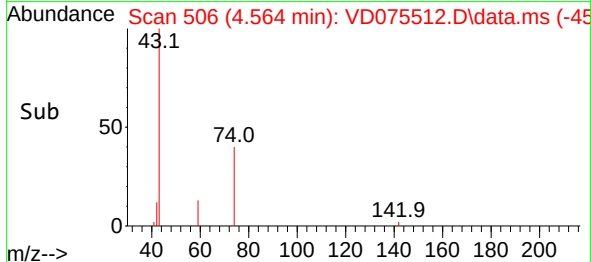
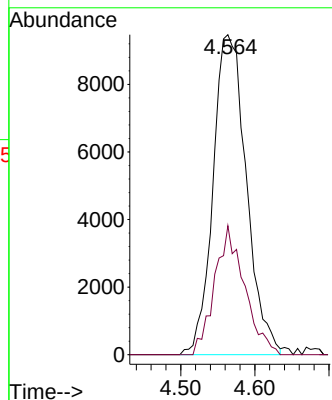
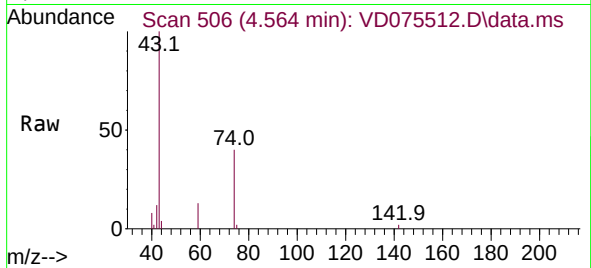




#15
Methyl Acetate
Concen: 23.867 ug/L
RT: 4.564 min Scan# 507
Delta R.T. -0.006 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

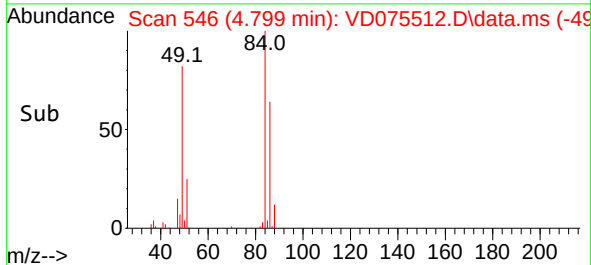
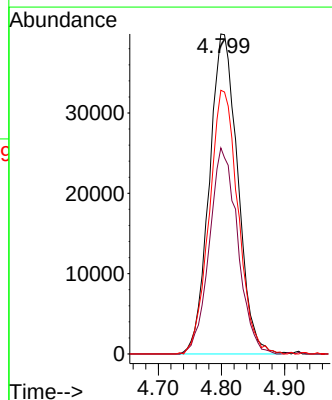
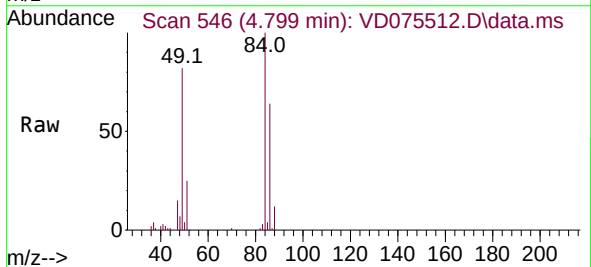
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

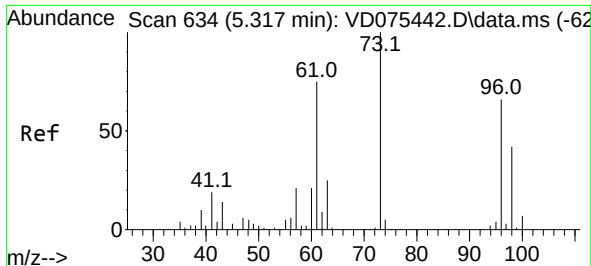
Tgt Ion: 43 Resp: 29577
Ion Ratio Lower Upper
43 100
74 36.1 25.7 38.5



#16
Methylene chloride
Concen: 20.980 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion: 84 Resp: 124487
Ion Ratio Lower Upper
84 100
86 64.4 44.2 82.2
49 82.4 63.6 118.2





#17

trans-1,2-Dichloroethene

Concen: 26.860 ug/L

RT: 5.316 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTD025108

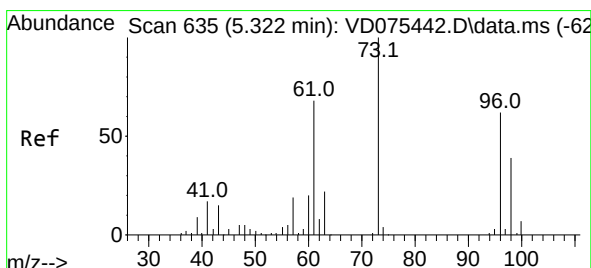
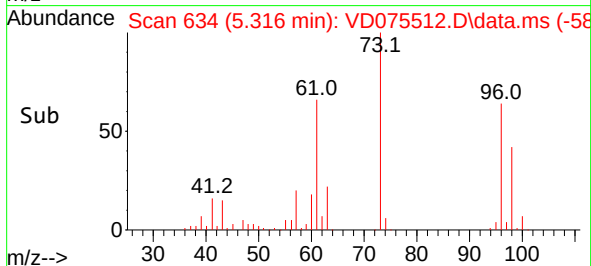
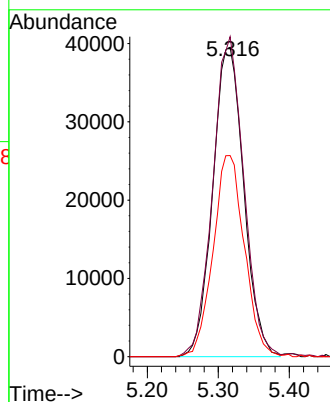
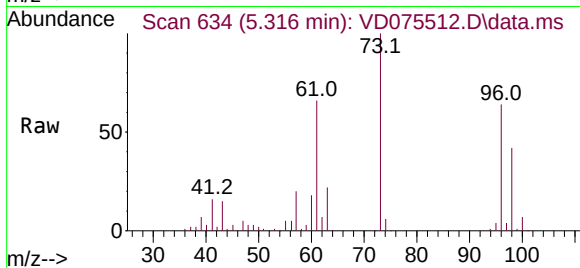
Tgt Ion: 96 Resp: 119853

Ion Ratio Lower Upper

96 100

61 103.4 77.8 144.6

98 65.0 47.0 87.4



#18

Methyl tert-butyl Ether

Concen: 26.781 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

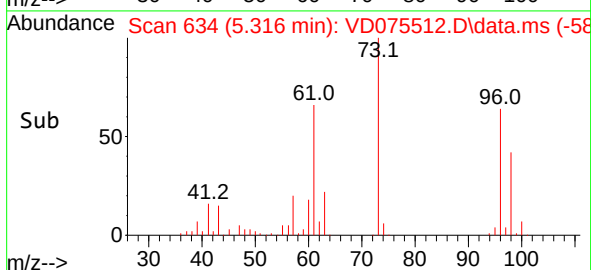
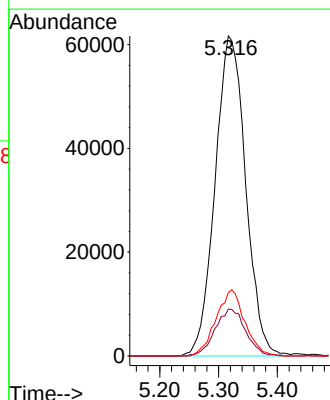
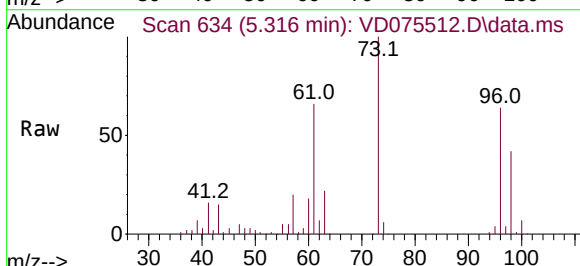
Tgt Ion: 73 Resp: 222082

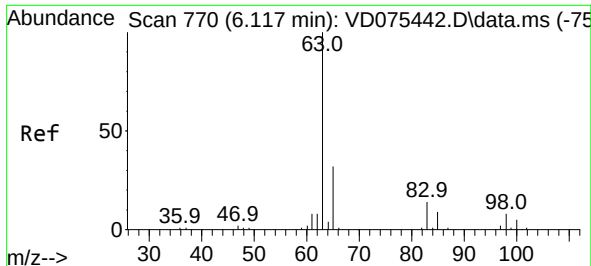
Ion Ratio Lower Upper

73 100

43 14.6 12.1 18.1

57 19.5 17.0 25.4





#19

1,1-Dichloroethane

Concen: 25.127 ug/L

RT: 6.116 min Scan# 71

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTD025108

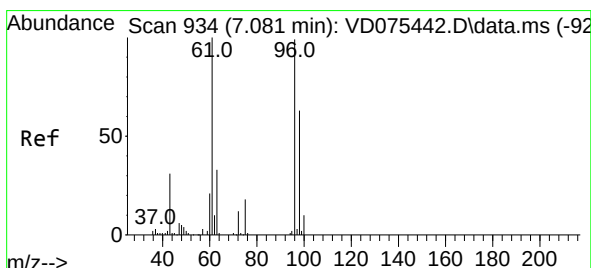
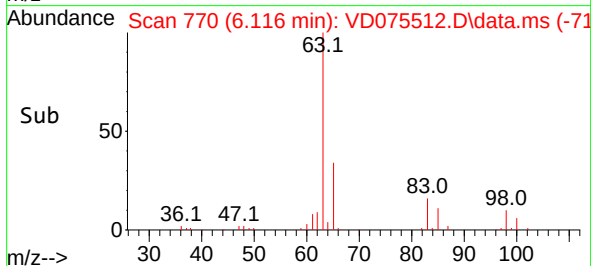
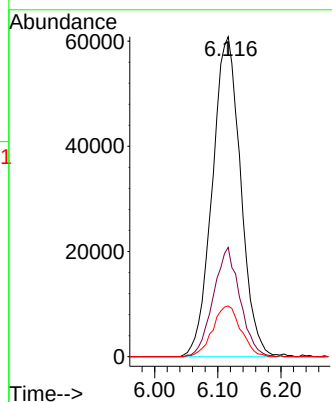
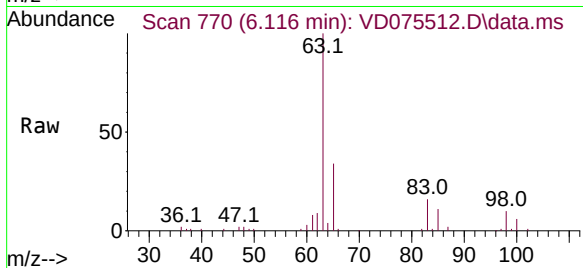
Tgt Ion: 63 Resp: 189669

Ion Ratio Lower Upper

63 100

65 34.2 21.1 39.3

83 15.9 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 27.337 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

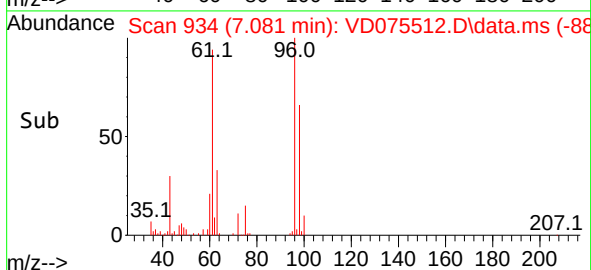
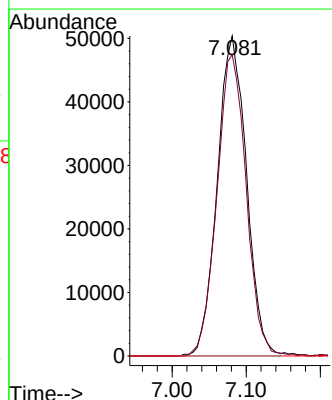
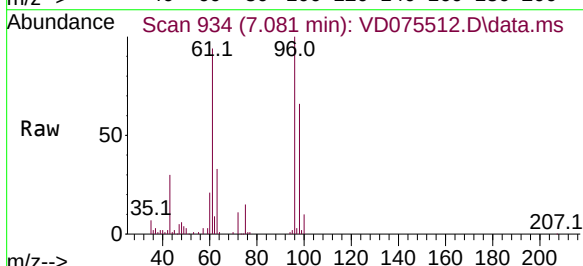
Tgt Ion: 96 Resp: 137796

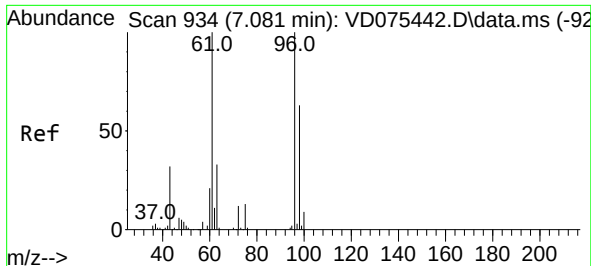
Ion Ratio Lower Upper

96 100

61 94.1 73.9 137.3

68 0.0 0.0 0.0

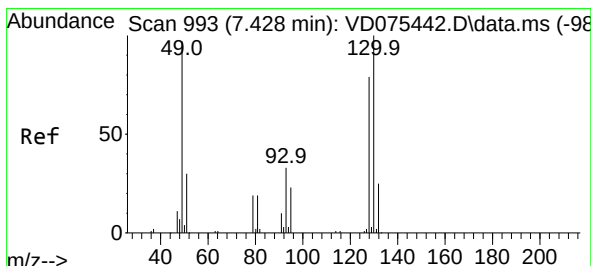
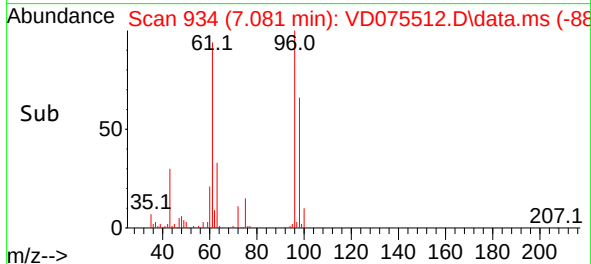
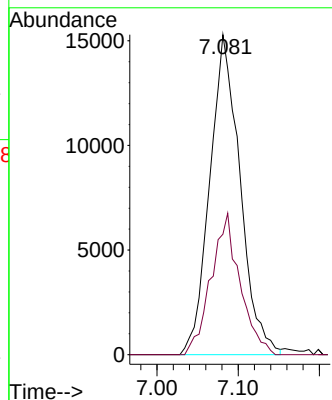
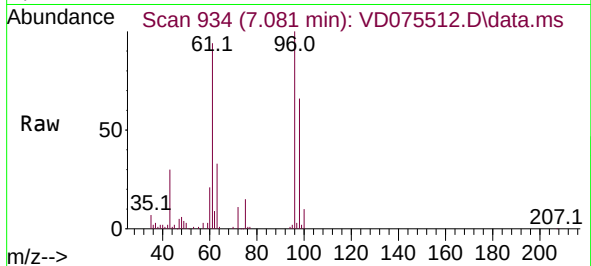




#22
2-Butanone
Concen: 42.799 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

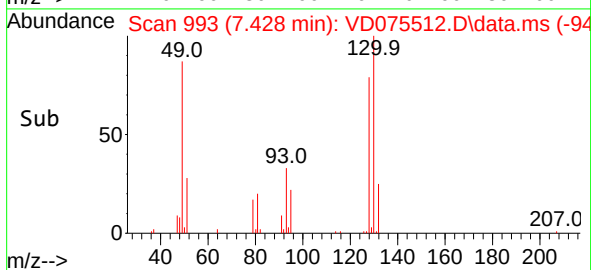
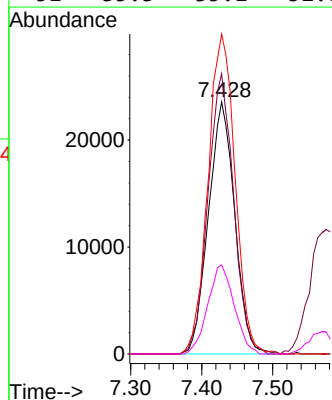
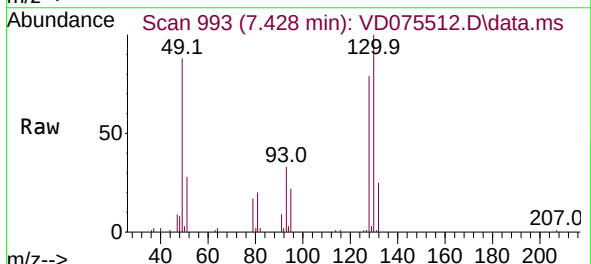
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

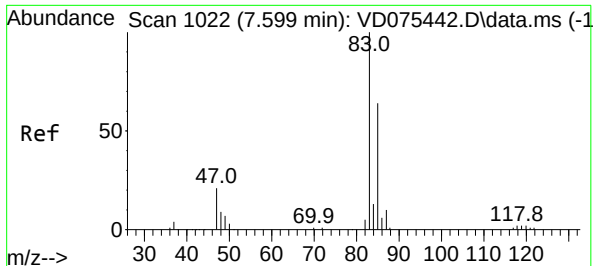
Tgt Ion: 43 Resp: 39660
Ion Ratio Lower Upper
43 100
72 42.1 18.3 54.9



#23
Bromochloromethane
Concen: 28.019 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion: 128 Resp: 60508
Ion Ratio Lower Upper
128 100
49 111.2 84.2 156.4
130 126.9 82.5 153.1
51 35.3 35.1 52.7





#25

Chloroform

Concen: 27.297 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

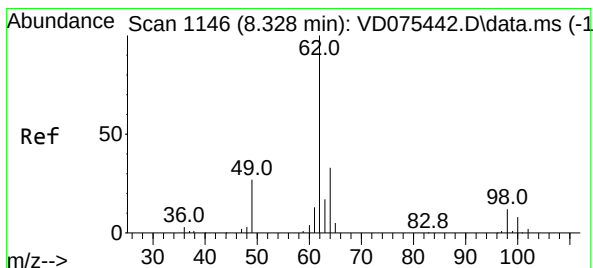
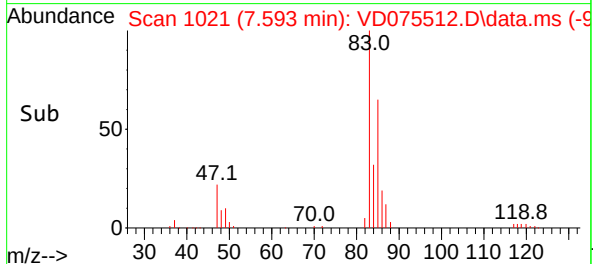
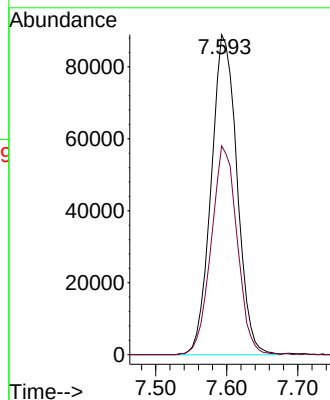
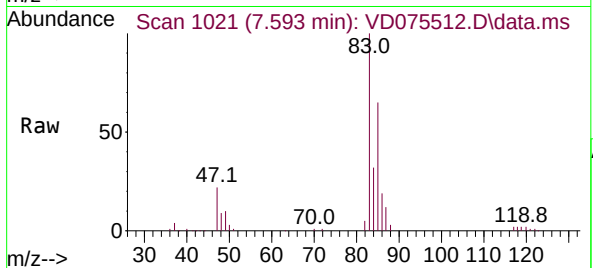
VSTD025108

Tgt Ion: 83 Resp: 224675

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 24.795 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD075512.D

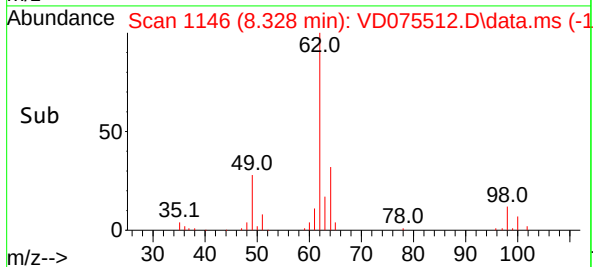
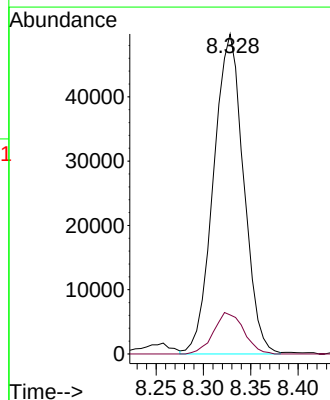
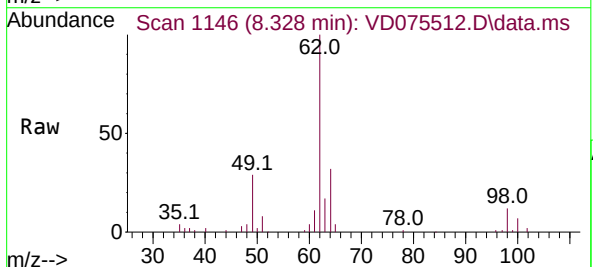
Acq: 20 Mar 2023 10:56

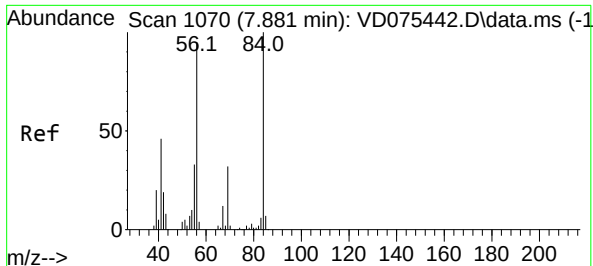
Tgt Ion: 62 Resp: 110055

Ion Ratio Lower Upper

62 100

98 12.2 8.8 13.2





#29

Cyclohexane

Concen: 24.946 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTD025108

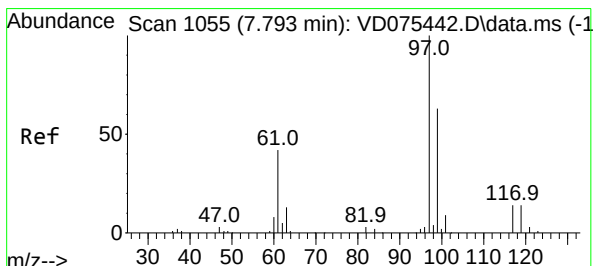
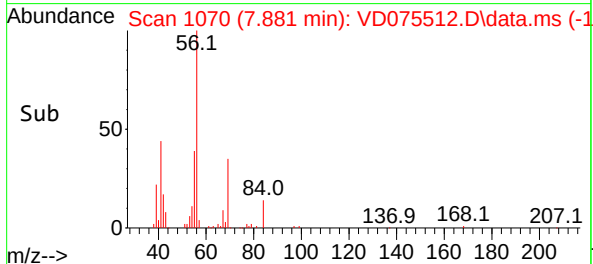
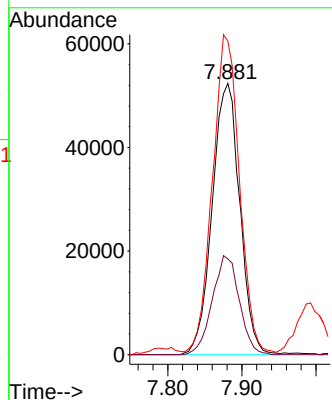
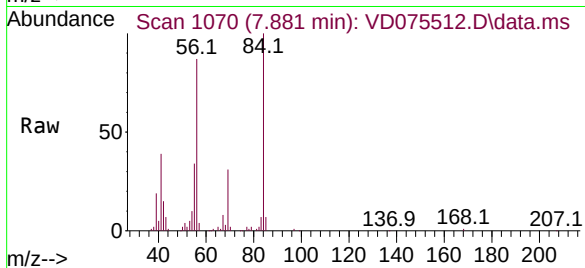
Tgt Ion: 56 Resp: 135252

Ion Ratio Lower Upper

56 100

69 35.7 27.0 40.6

84 116.1 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 28.202 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

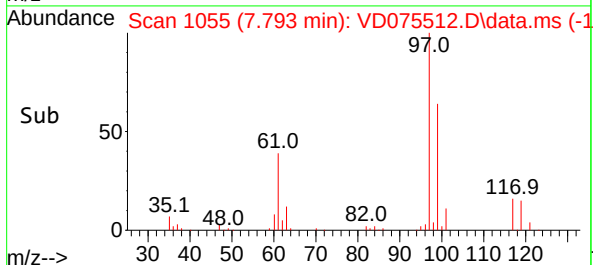
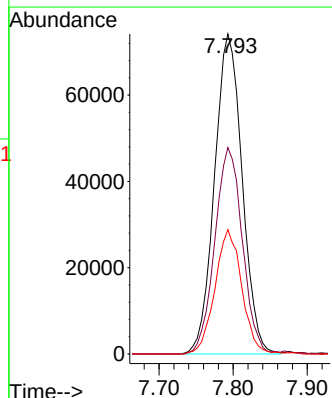
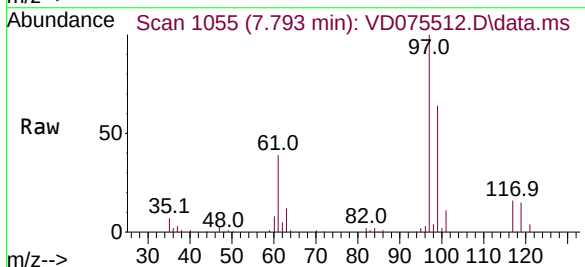
Tgt Ion: 97 Resp: 192146

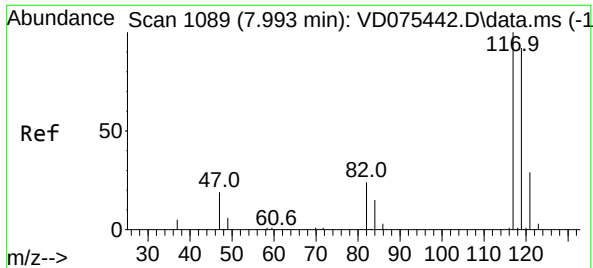
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 37.5 34.0 51.0

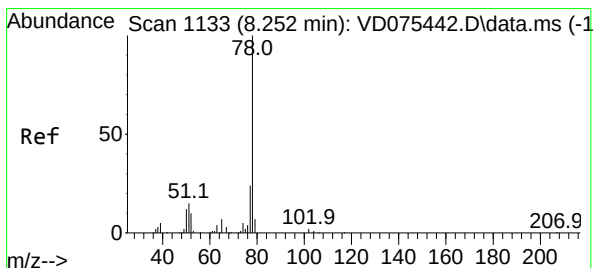
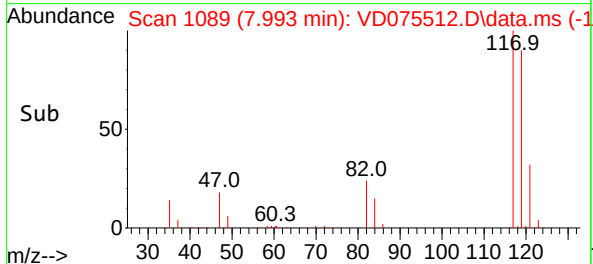
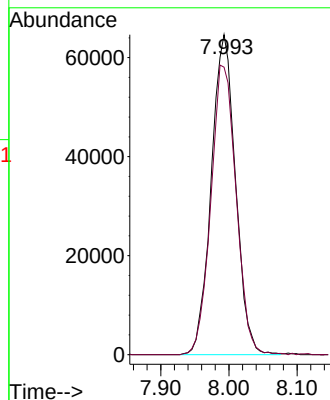
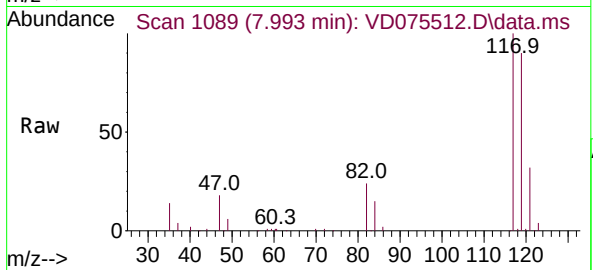




#31
Carbon tetrachloride
Concen: 29.565 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

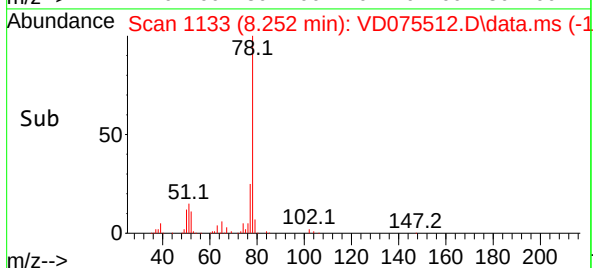
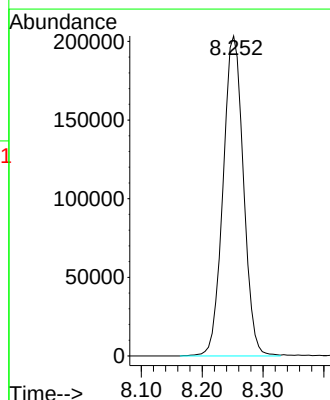
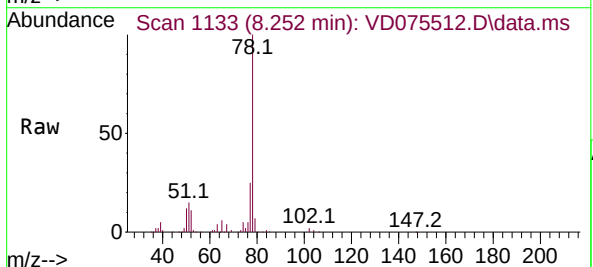
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

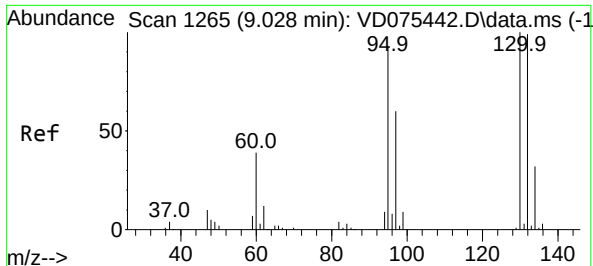
Tgt Ion:117 Resp: 159991
Ion Ratio Lower Upper
117 100
119 94.0 76.2 114.2



#33
Benzene
Concen: 25.985 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion: 78 Resp: 473186

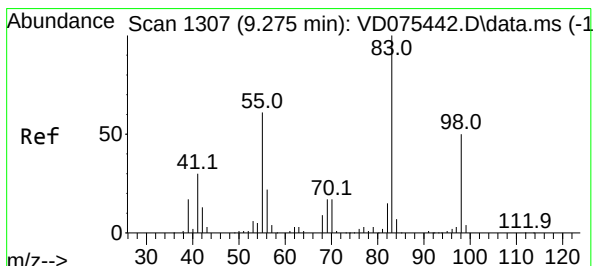
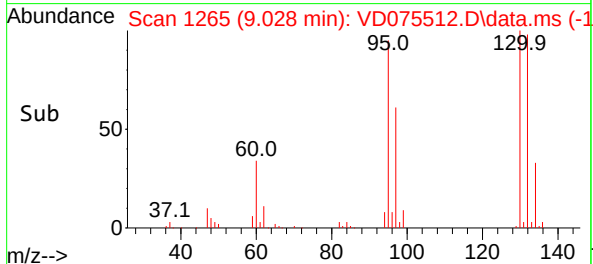
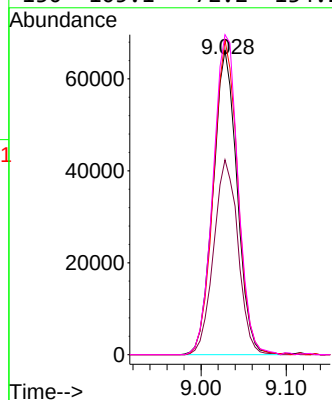
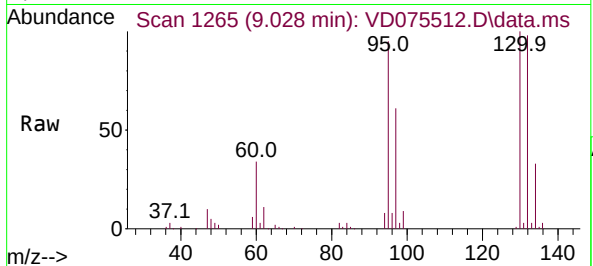




#34
Trichloroethene
Concen: 27.330 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

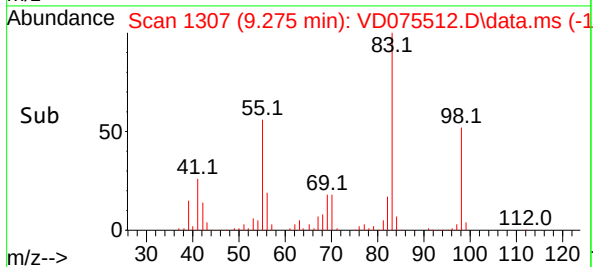
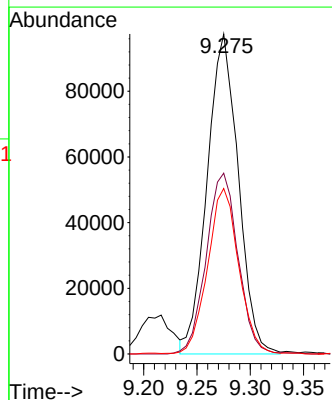
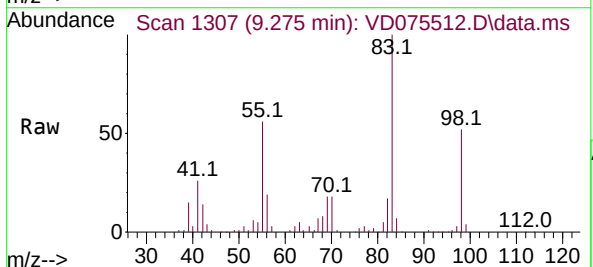
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

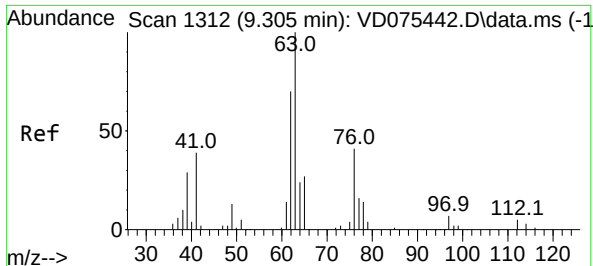
Tgt Ion: 95 Resp: 129973
Ion Ratio Lower Upper
95 100
97 64.0 44.7 83.1
132 103.3 70.0 130.0
130 105.1 72.2 134.2



#35
Methylcyclohexane
Concen: 26.655 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion: 83 Resp: 197895
Ion Ratio Lower Upper
83 100
55 57.7 49.3 73.9
98 51.3 39.8 59.6





#37

1,2-Dichloropropane

Concen: 24.875 ug/L

RT: 9.305 min Scan# 111

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

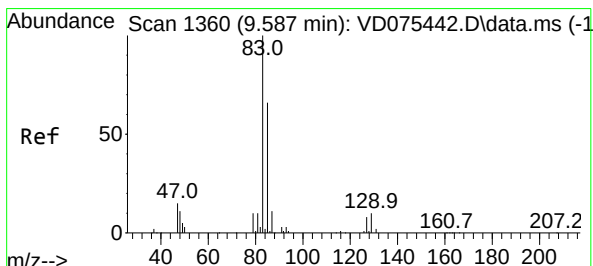
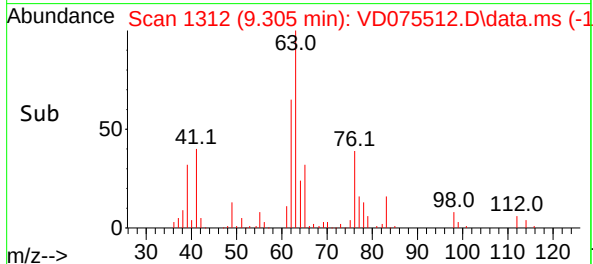
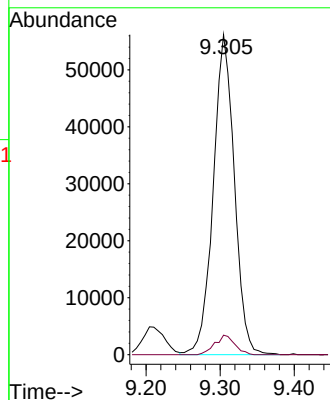
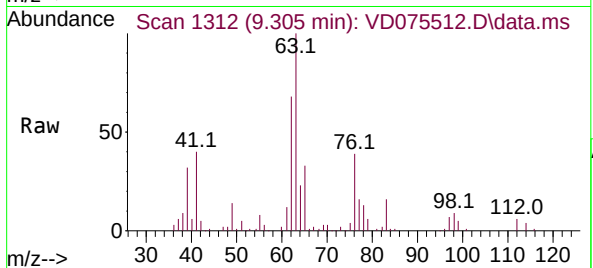
VSTD025108

Tgt Ion: 63 Resp: 111312

Ion Ratio Lower Upper

63 100

112 5.7 3.8 5.6#



#38

Bromodichloromethane

Concen: 26.919 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

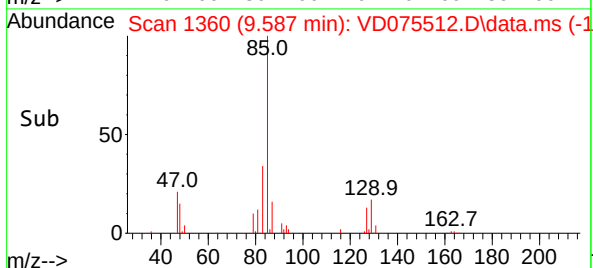
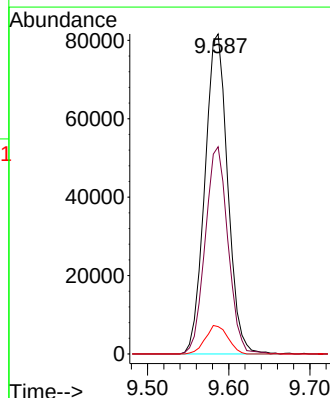
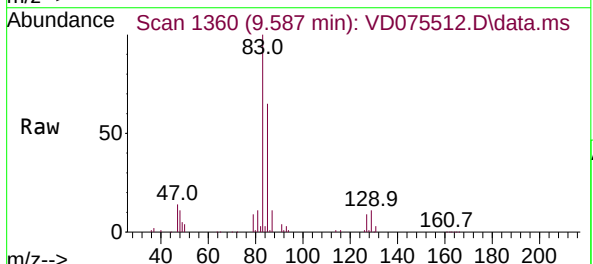
Tgt Ion: 83 Resp: 159345

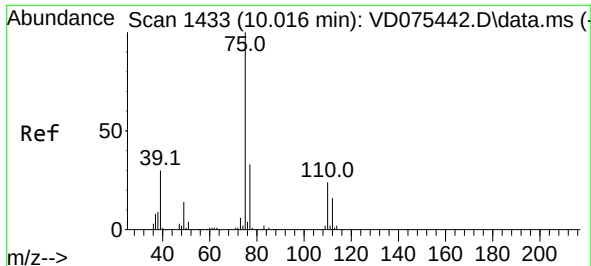
Ion Ratio Lower Upper

83 100

85 64.8 44.6 82.8

127 8.6 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 26.340 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

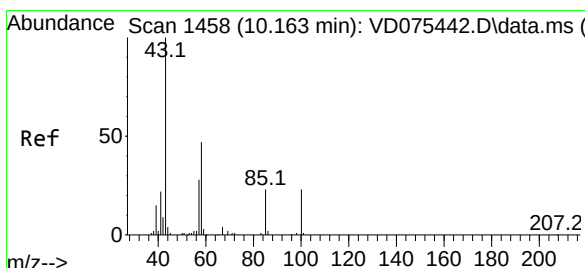
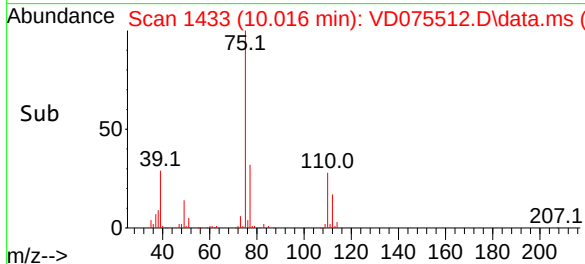
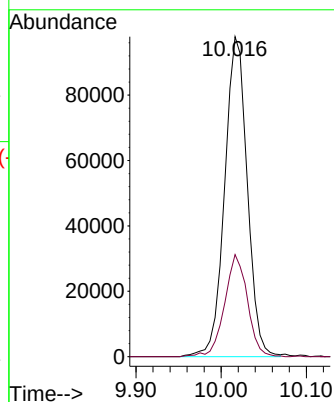
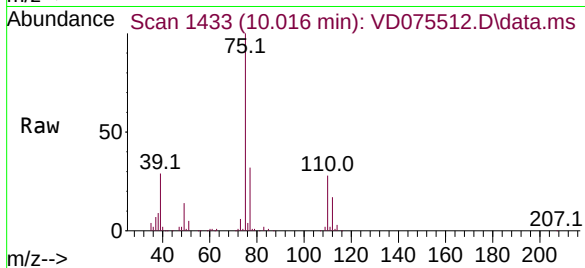
VSTD025108

Tgt Ion: 75 Resp: 180383

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 48.611 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.006 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

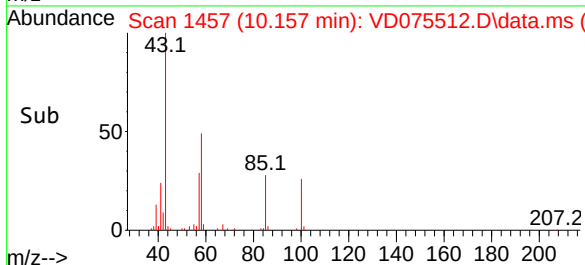
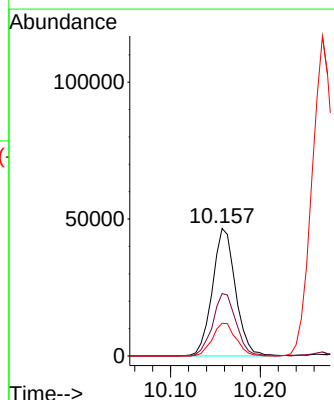
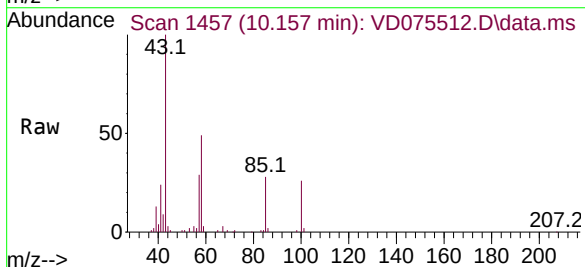
Tgt Ion: 43 Resp: 83419

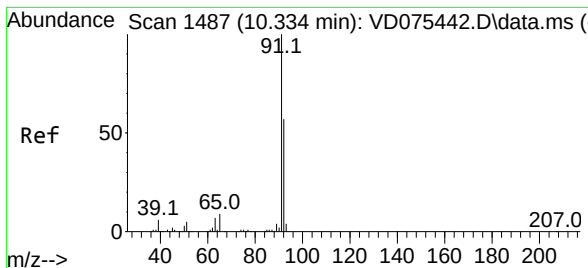
Ion Ratio Lower Upper

43 100

58 49.4 39.0 58.6

100 26.0 18.7 28.1





#42

Toluene

Concen: 27.914 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

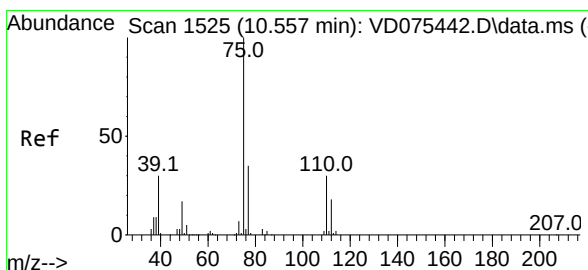
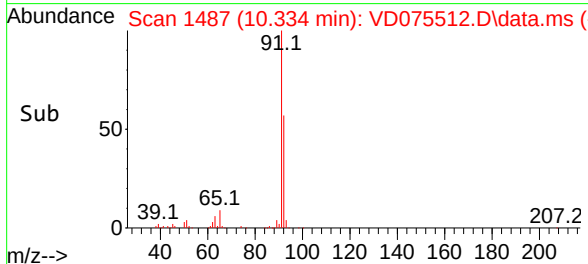
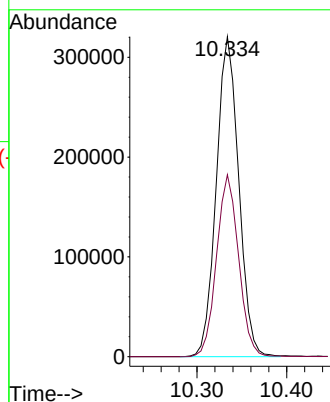
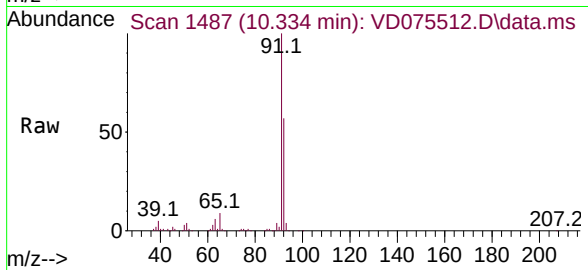
VSTD025108

Tgt Ion: 91 Resp: 556495

Ion Ratio Lower Upper

91 100

92 56.9 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 26.166 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD075512.D

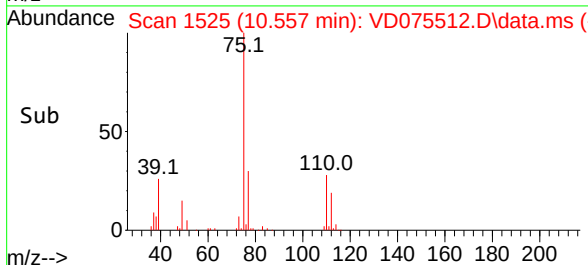
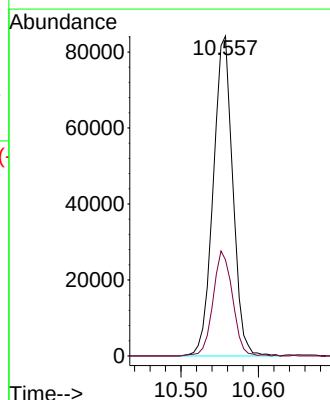
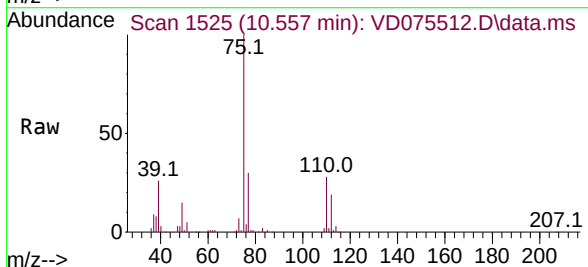
Acq: 20 Mar 2023 10:56

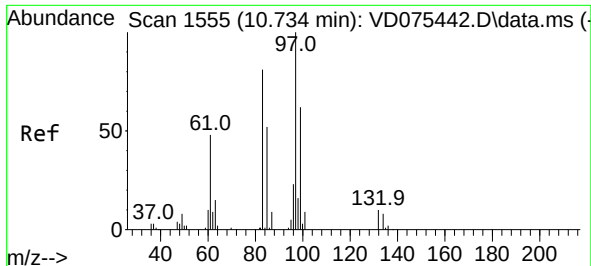
Tgt Ion: 75 Resp: 147637

Ion Ratio Lower Upper

75 100

77 30.1 22.4 41.6

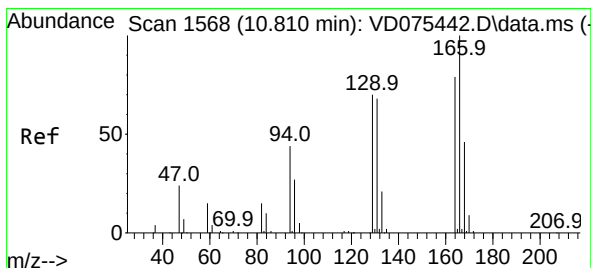
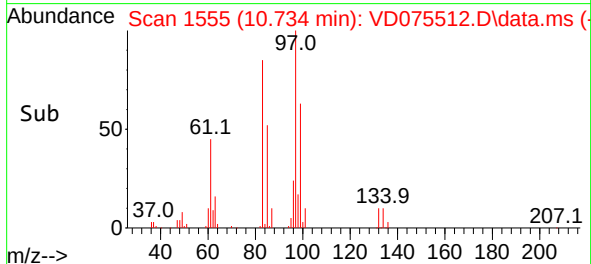
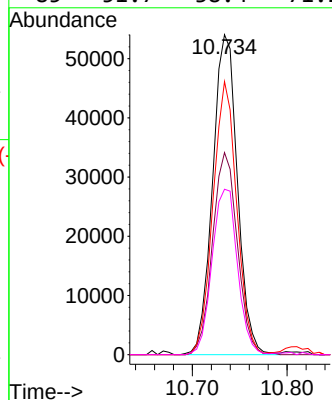
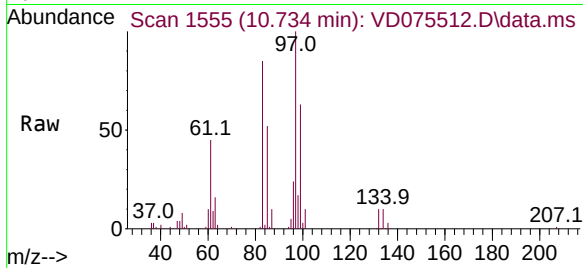




#45
1,1,2-Trichloroethane
Concen: 27.509 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

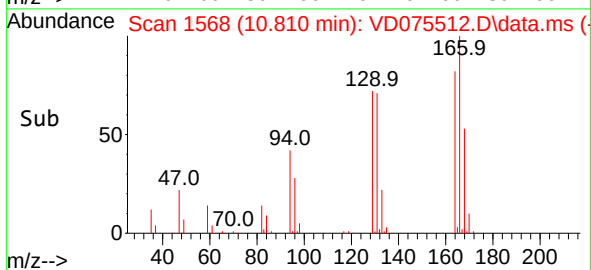
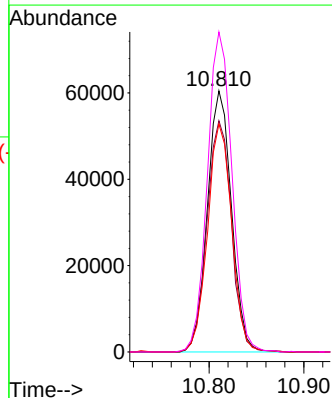
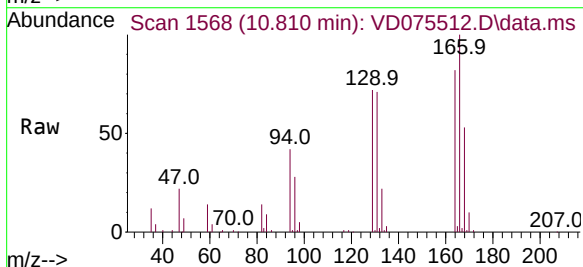
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

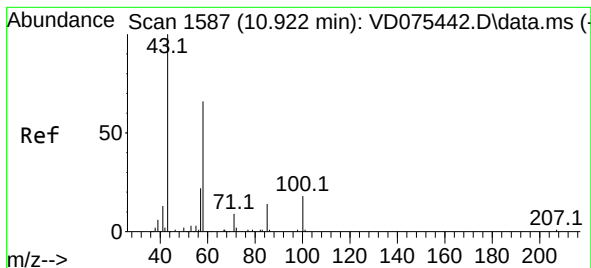
Tgt Ion: 97	Resp: 98317
Ion Ratio	Lower Upper
97 100	
99 63.1	40.9 76.0
83 85.3	57.7 107.1
85 51.7	38.4 71.2



#46
Tetrachloroethene
Concen: 29.368 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt	Ion:164	Resp:	107022
Ion	Ratio	Lower	Upper
164	100		
129	88.5	65.4	121.4
131	87.2	64.1	119.1
166	122.5	88.5	164.3





#48

2-Hexanone

Concen: 48.322 ug/L

RT: 10.922 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTD025108

Tgt Ion: 43 Resp: 61011

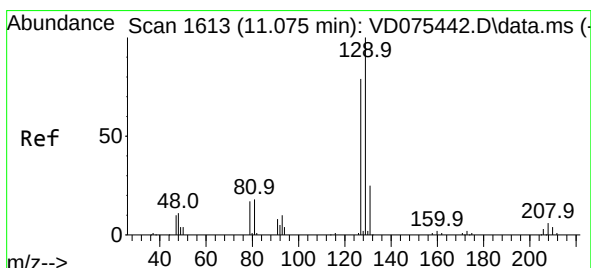
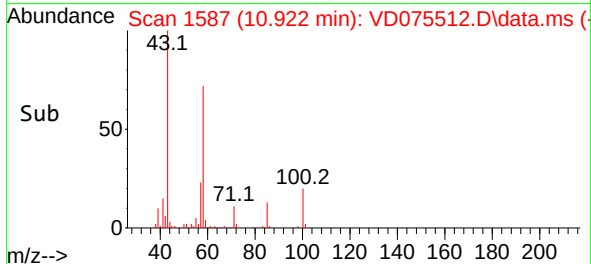
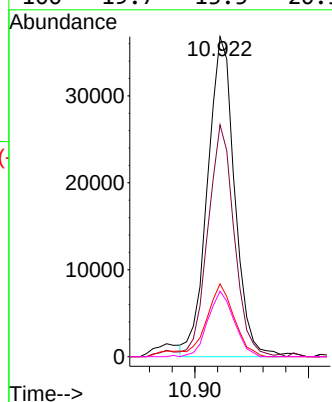
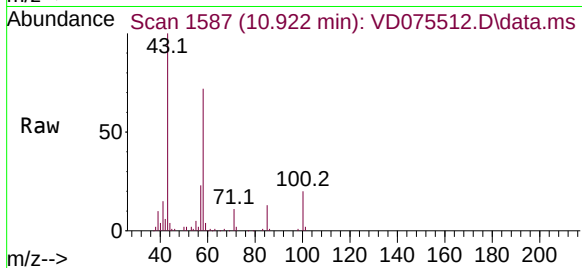
Ion Ratio Lower Upper

43 100

58 70.9 53.1 79.7

57 22.6 16.7 25.1

100 19.7 13.5 20.3



#49

Dibromochloromethane

Concen: 28.943 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD075512.D

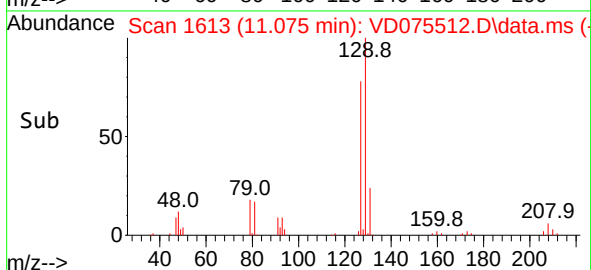
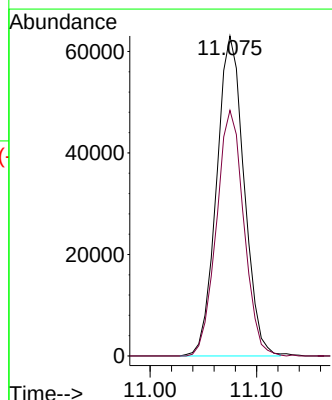
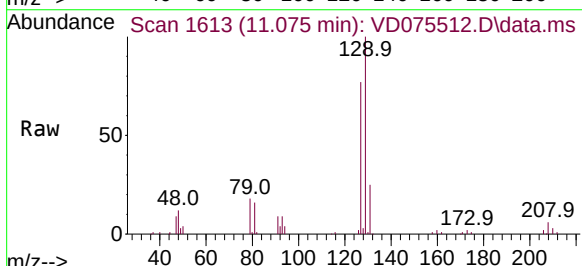
Acq: 20 Mar 2023 10:56

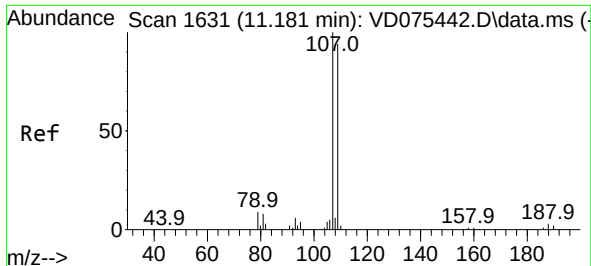
Tgt Ion: 129 Resp: 112995

Ion Ratio Lower Upper

129 100

127 76.8 53.7 99.7

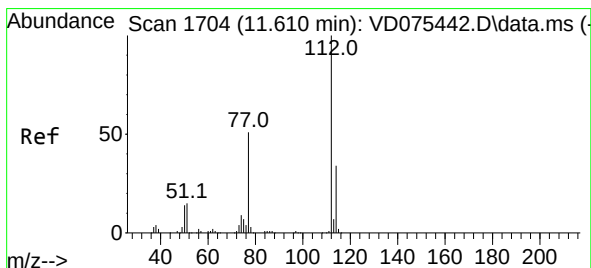
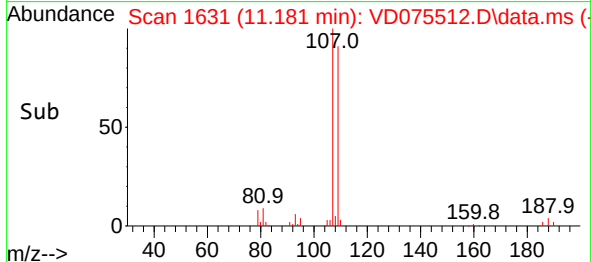
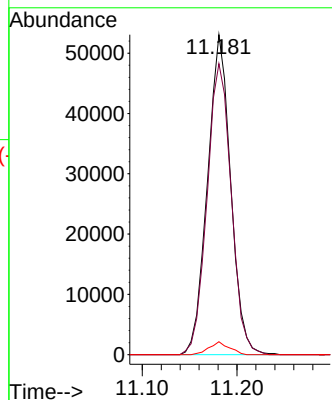
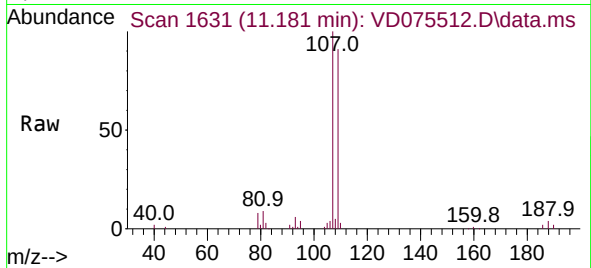




#50
1,2-Dibromoethane
Concen: 27.936 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

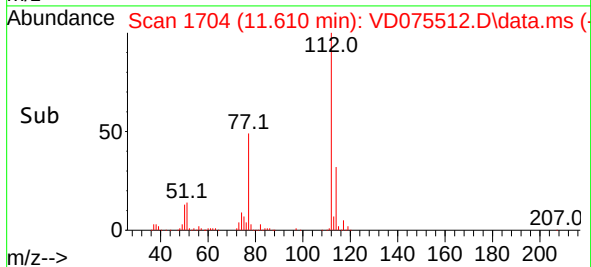
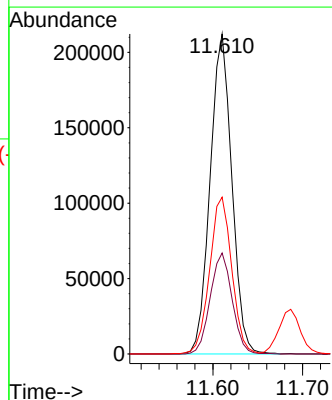
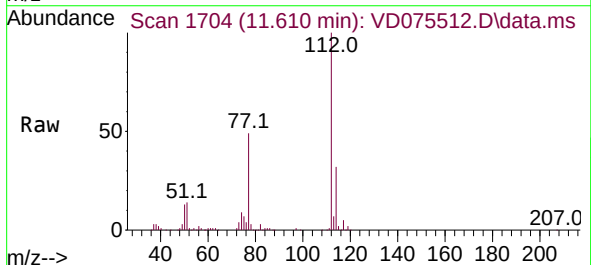
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

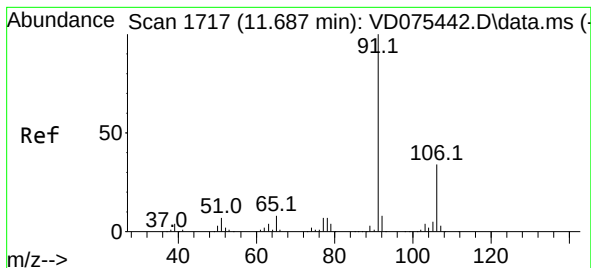
Tgt Ion:107 Resp: 90251
Ion Ratio Lower Upper
107 100
109 91.0 64.2 119.2
188 4.0 2.3 3.5#



#51
Chlorobenzene
Concen: 27.493 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion:112 Resp: 356239
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.3
77 49.0 40.2 60.2

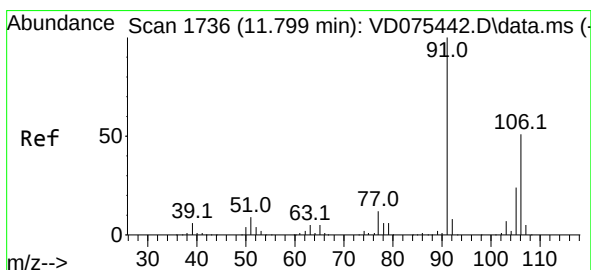
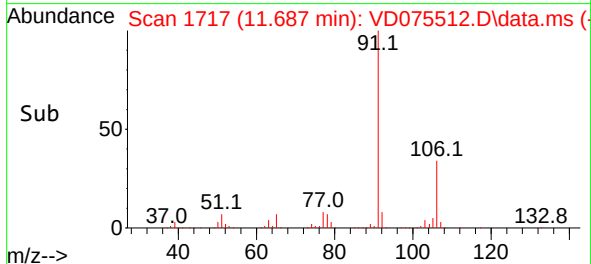
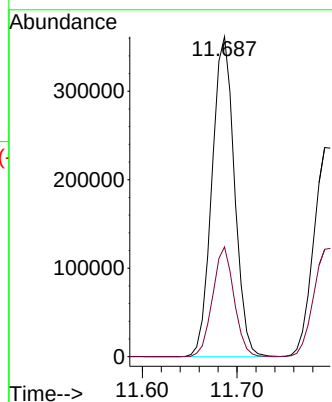
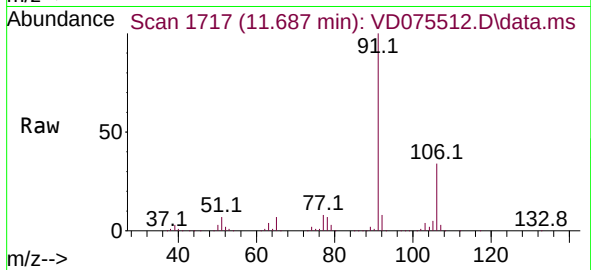




#52
Ethylbenzene
Concen: 28.174 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

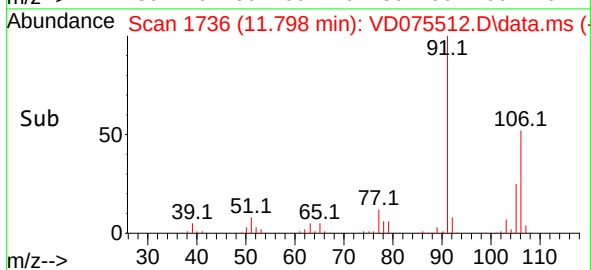
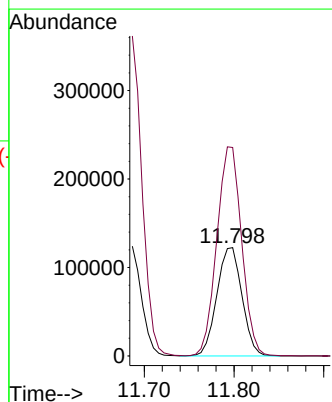
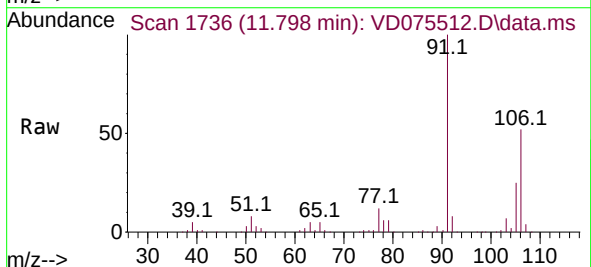
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

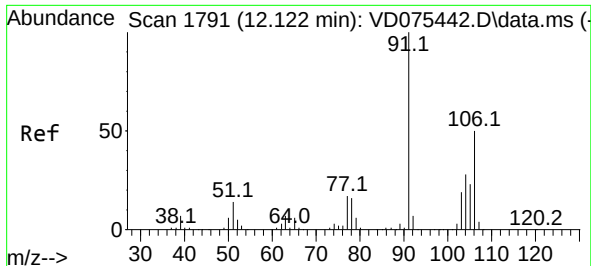
Tgt Ion: 91 Resp: 597305
Ion Ratio Lower Upper
91 100
106 34.3 23.1 42.9



#53
m,p-Xylene
Concen: 28.514 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion: 106 Resp: 238179
Ion Ratio Lower Upper
106 100
91 192.5 134.1 249.1

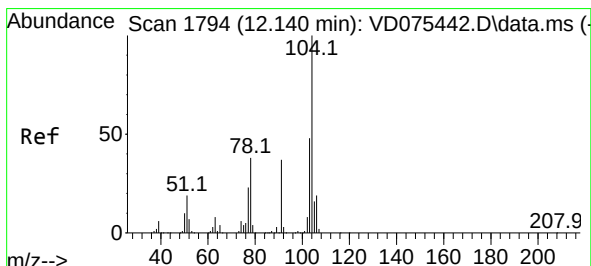
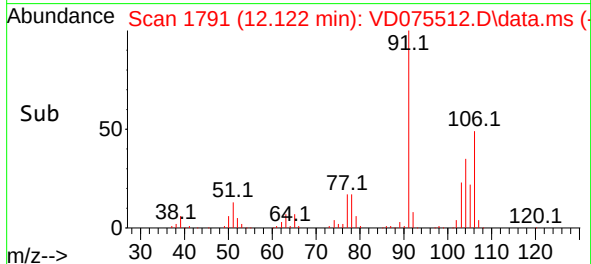
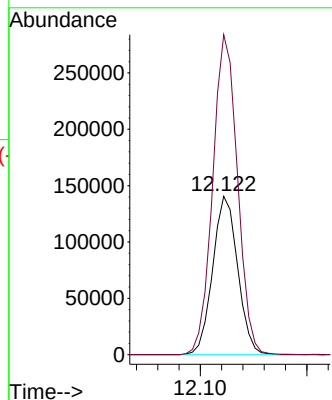
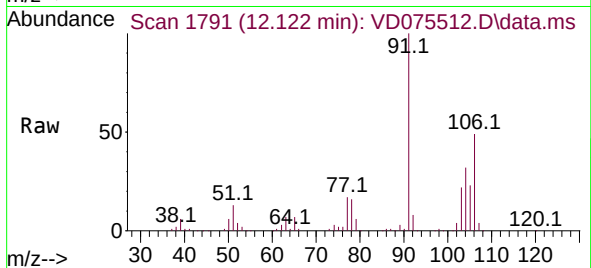




#54
o-Xylene
Concen: 28.916 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

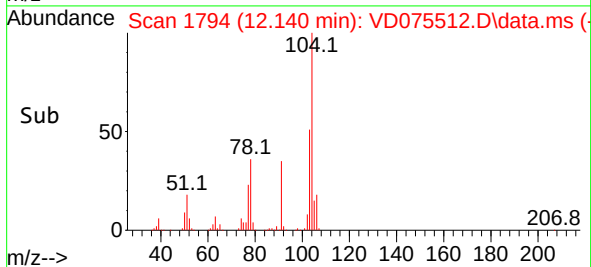
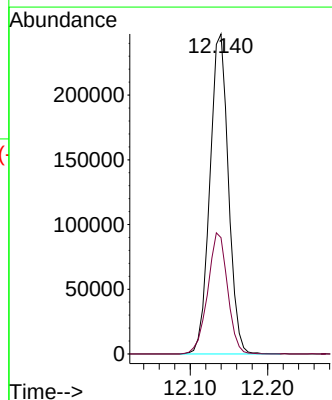
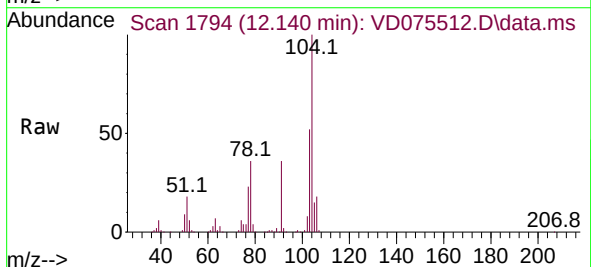
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

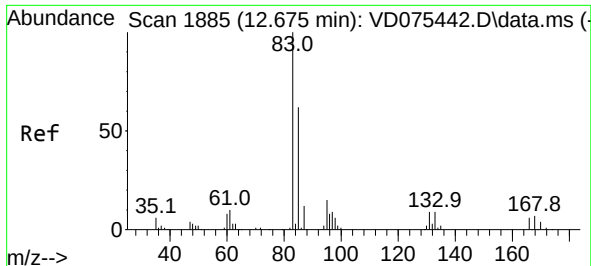
Tgt Ion:106 Resp: 228483
Ion Ratio Lower Upper
106 100
91 202.0 142.3 264.3



#55
Styrene
Concen: 29.194 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion:104 Resp: 409702
Ion Ratio Lower Upper
104 100
78 36.4 26.0 48.2



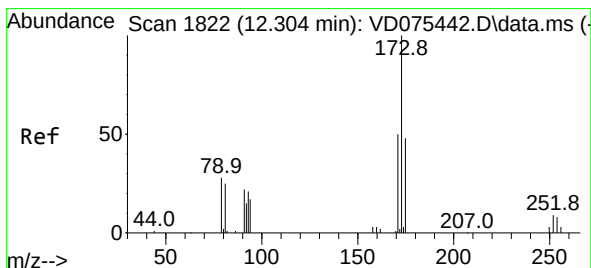
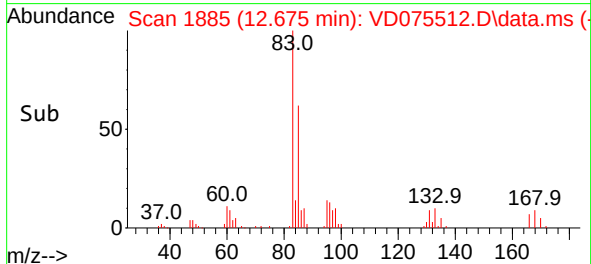
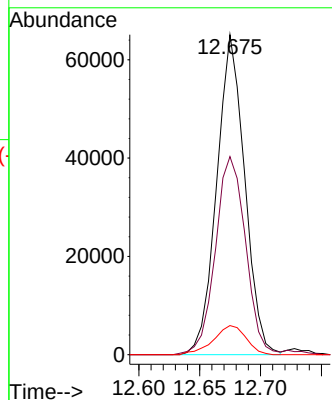
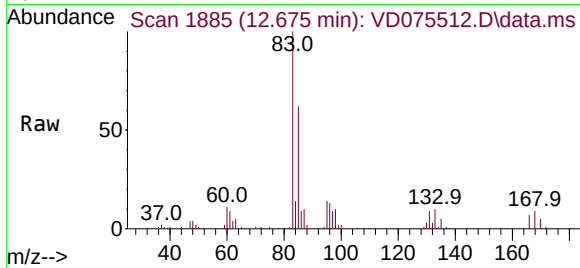


#57
 1,1,2,2-Tetrachloroethane
 Concen: 26.614 ug/L
 RT: 12.675 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VD075512.D
 Acq: 20 Mar 2023 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025108

Tgt Ion: 83 Resp: 104104

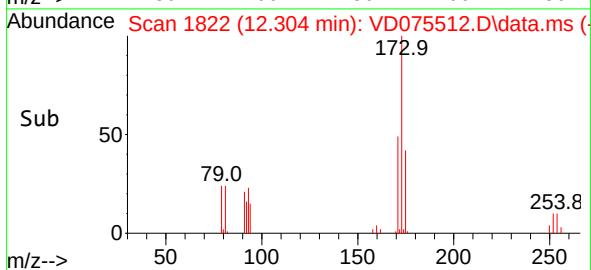
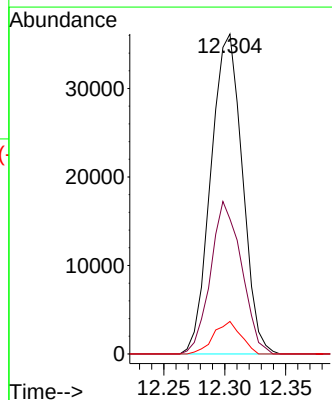
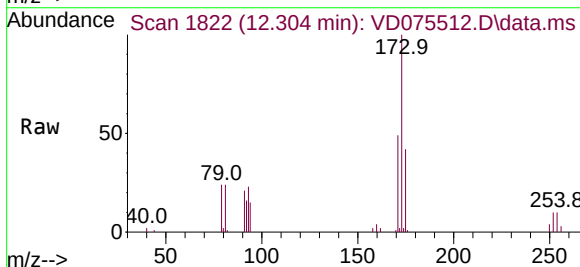
Ion	Ratio	Lower	Upper
83	100		
85	61.9	46.3	85.9
131	9.1	8.1	12.1

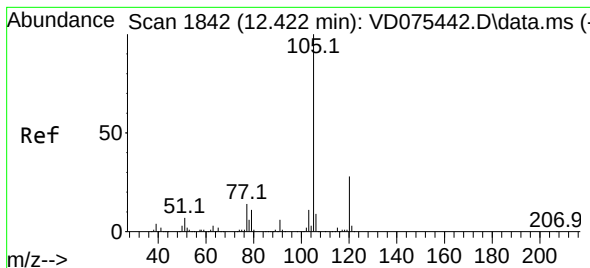


#59
 Bromoform
 Concen: 27.477 ug/L
 RT: 12.304 min Scan# 1822
 Delta R.T. -0.000 min
 Lab File: VD075512.D
 Acq: 20 Mar 2023 10:56

Tgt Ion: 173 Resp: 64999

Ion	Ratio	Lower	Upper
173	100		
175	47.0	39.3	58.9
254	8.8	7.3	10.9





#60

Isopropylbenzene

Concen: 28.439 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTD025108

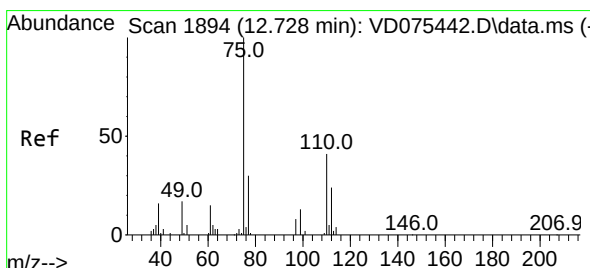
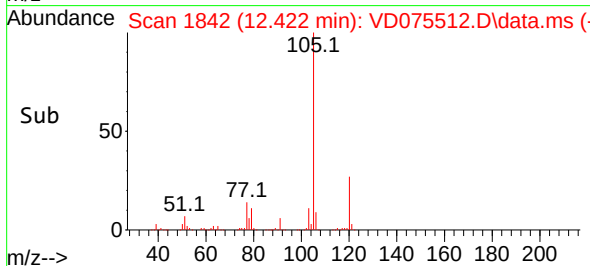
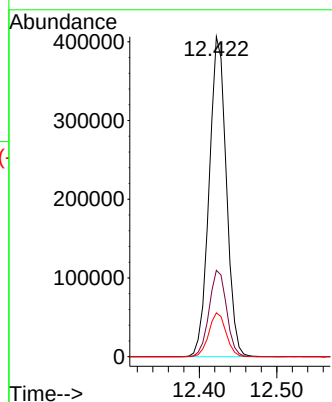
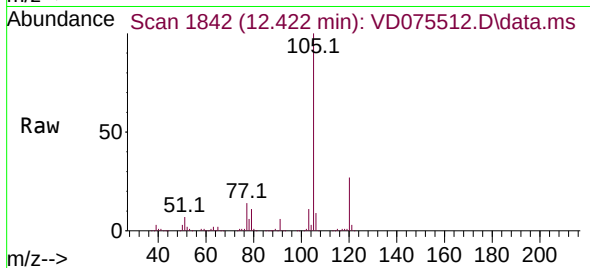
Tgt Ion:105 Resp: 627030

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

77 13.7 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 24.725 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

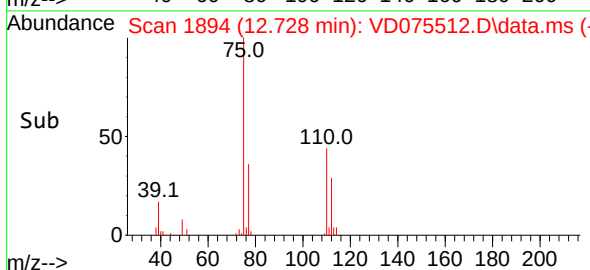
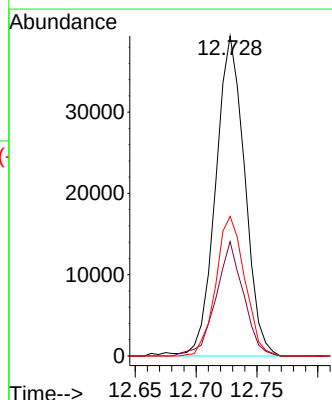
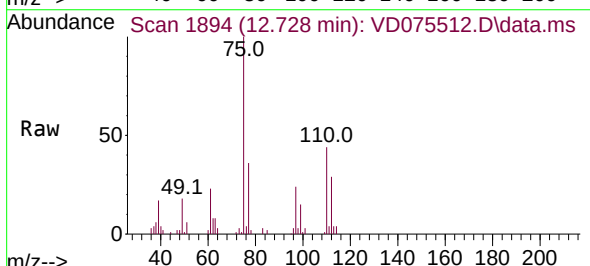
Tgt Ion: 75 Resp: 64974

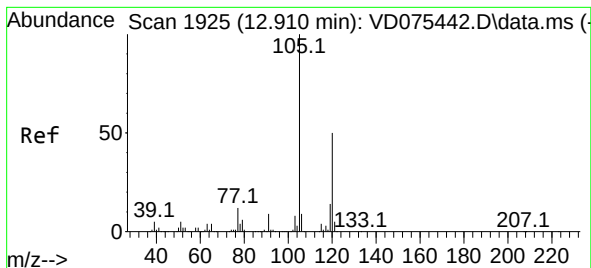
Ion Ratio Lower Upper

75 100

77 34.1 26.2 39.4

110 43.7 33.2 49.8





#62

1,3,5-Trimethylbenzene

Concen: 29.240 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. -0.006 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

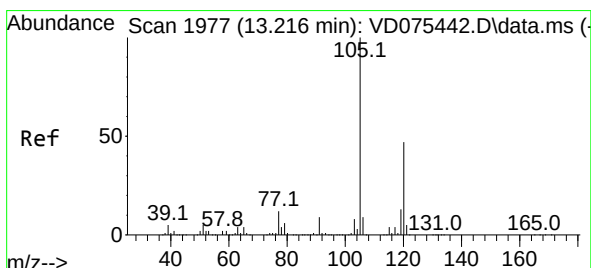
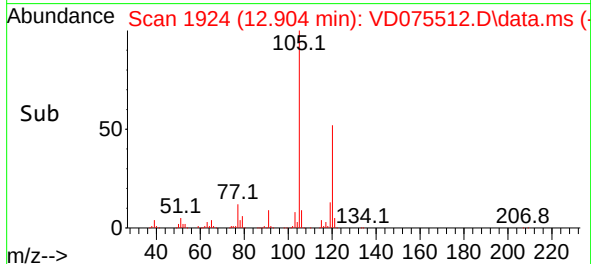
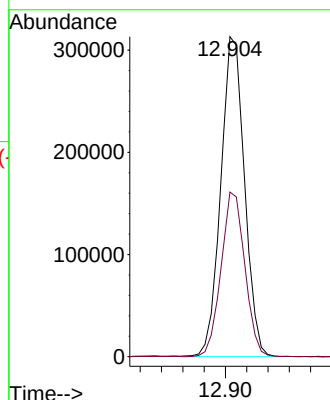
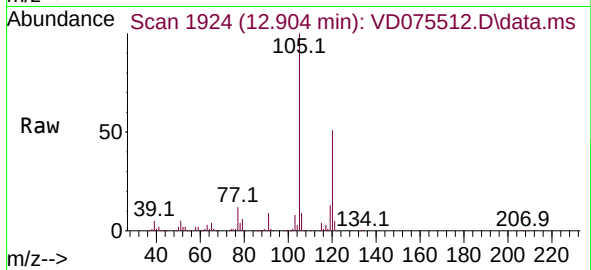
VSTD025108

Tgt Ion:105 Resp: 483958

Ion Ratio Lower Upper

105 100

120 51.5 40.6 60.8



#63

1,2,4-Trimethylbenzene

Concen: 28.851 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075512.D

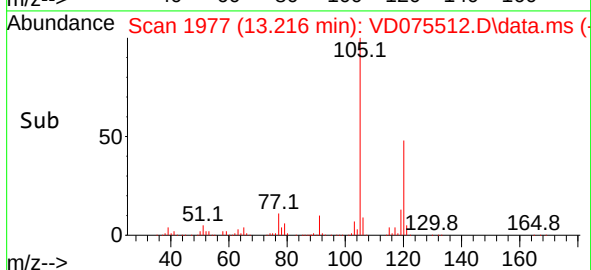
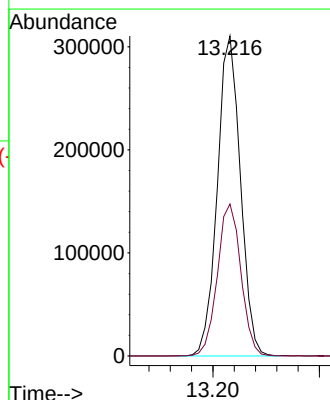
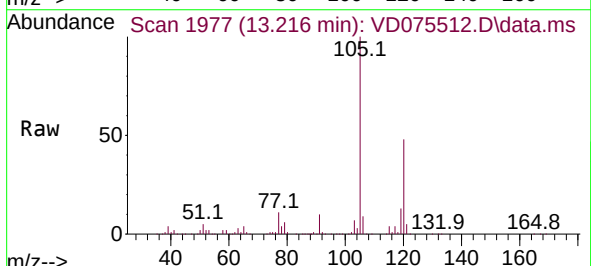
Acq: 20 Mar 2023 10:56

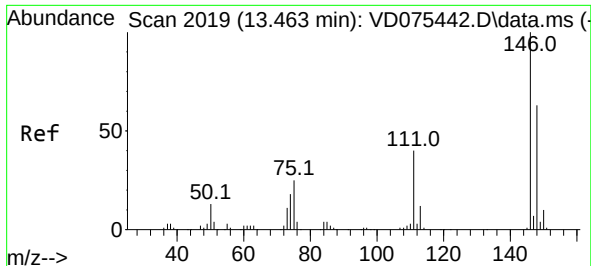
Tgt Ion:105 Resp: 466917

Ion Ratio Lower Upper

105 100

120 48.4 38.2 57.2

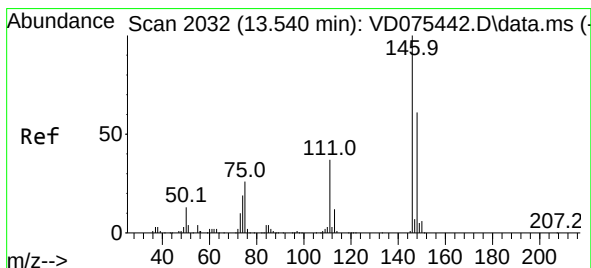
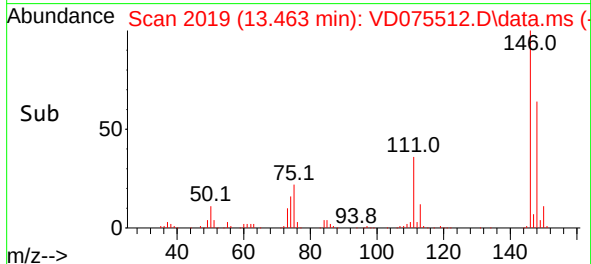
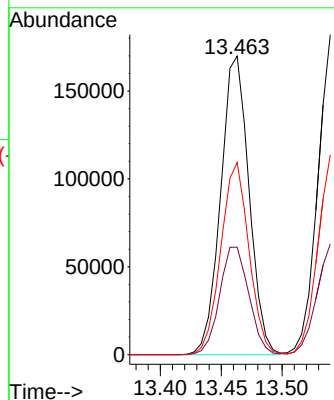
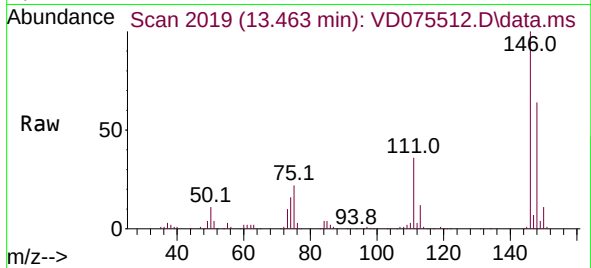




#64
1,3-Dichlorobenzene
Concen: 28.228 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

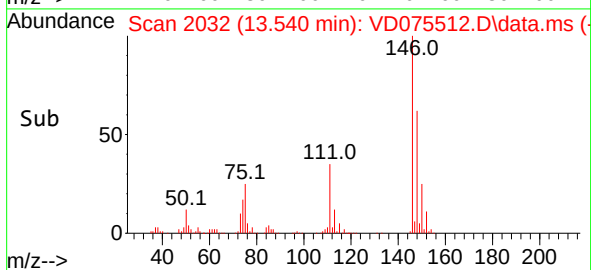
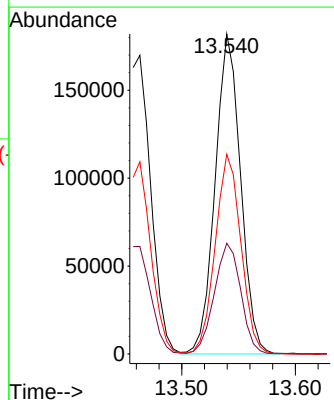
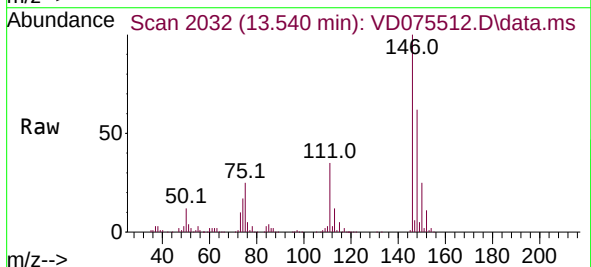
Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

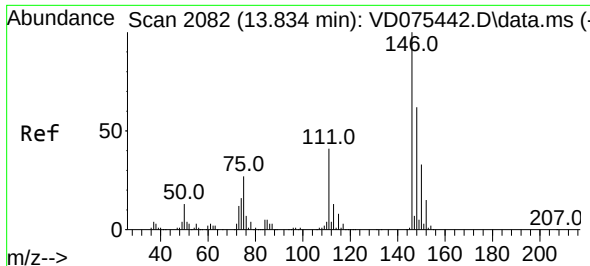
Tgt Ion:146 Resp: 275318
Ion Ratio Lower Upper
146 100
111 36.0 26.0 48.2
148 64.4 42.4 78.6



#65
1,4-Dichlorobenzene
Concen: 28.232 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion:146 Resp: 283249
Ion Ratio Lower Upper
146 100
111 34.6 24.8 46.1
148 62.4 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 27.603 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTD025108

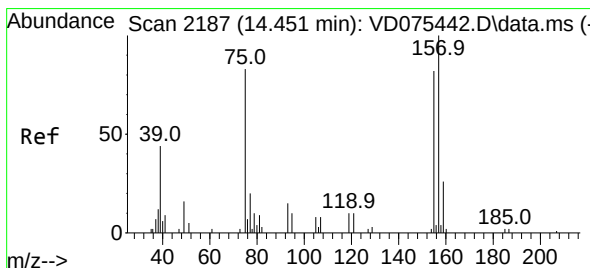
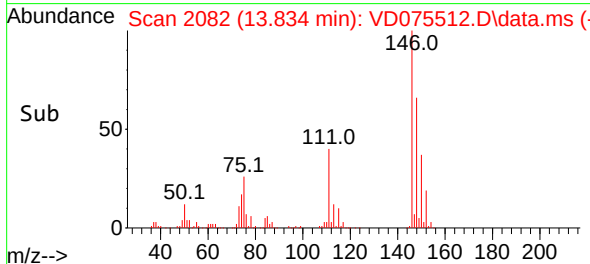
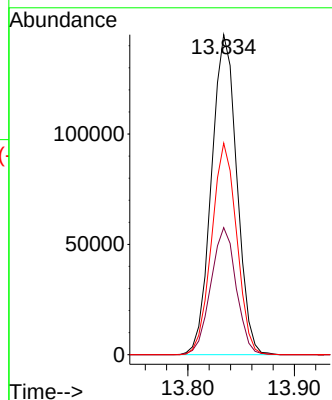
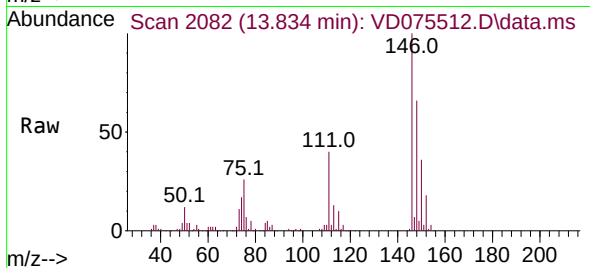
Tgt Ion:146 Resp: 239875

Ion Ratio Lower Upper

146 100

111 39.7 31.0 46.6

148 66.1 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 24.625 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. -0.000 min

Lab File: VD075512.D

Acq: 20 Mar 2023 10:56

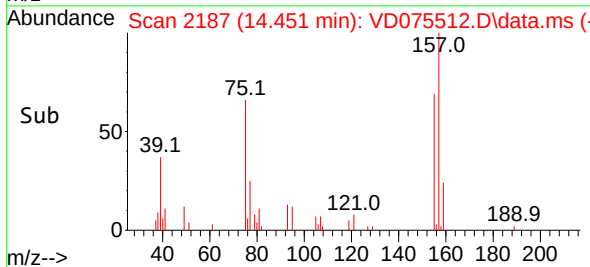
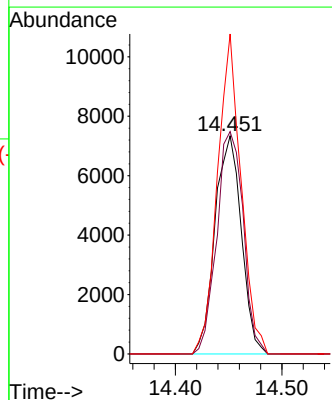
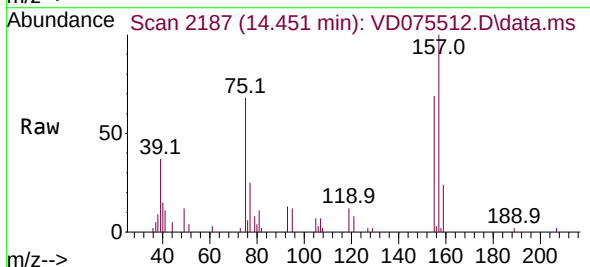
Tgt Ion: 75 Resp: 12567

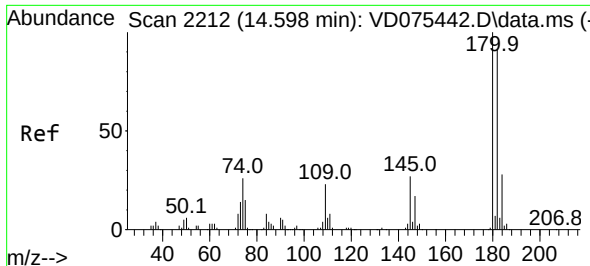
Ion Ratio Lower Upper

75 100

155 102.0 71.3 106.9

157 146.7 85.8 128.6#

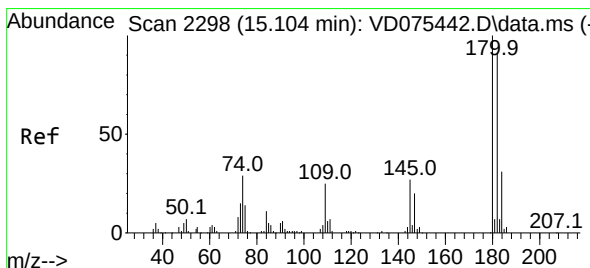
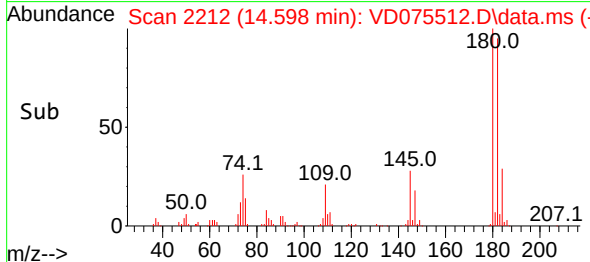
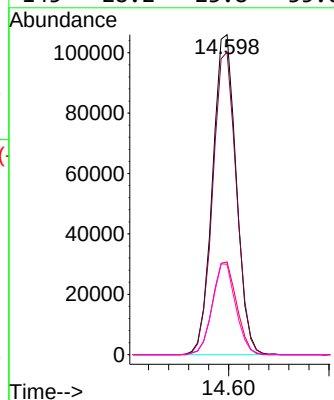
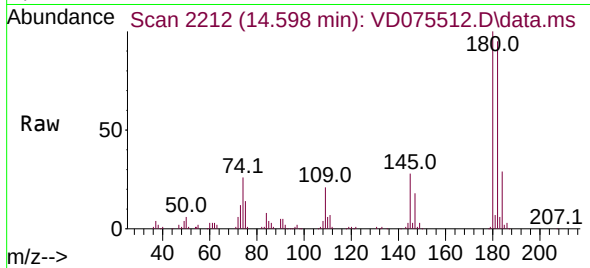




#69
 1,3,5-Trichlorobenzene
 Concen: 28.291 ug/L
 RT: 14.598 min Scan# 2212
 Delta R.T. -0.000 min
 Lab File: VD075512.D
 Acq: 20 Mar 2023 10:56

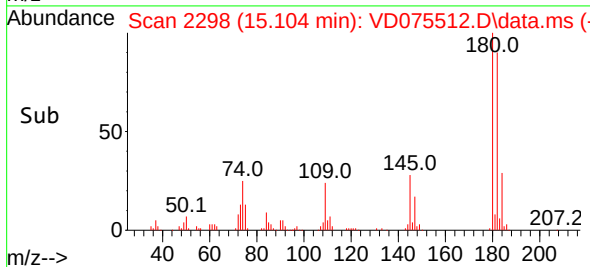
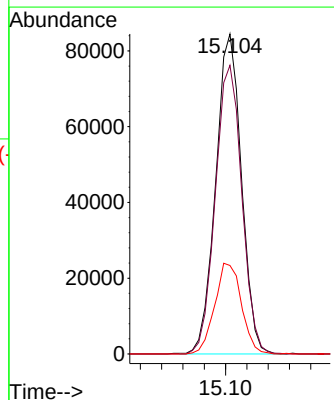
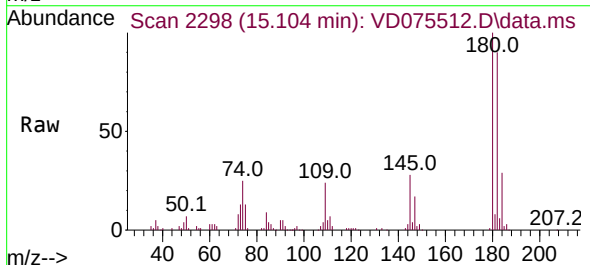
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025108

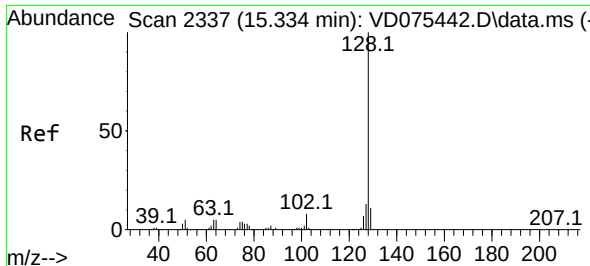
Tgt	Ion:180	Resp:	173032
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
184	29.5	23.6	35.4
145	28.2	23.8	35.6



#70
 1,2,4-trichlorobenzene
 Concen: 28.809 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. -0.000 min
 Lab File: VD075512.D
 Acq: 20 Mar 2023 10:56

Tgt Ion:180	Resp:	141670	
Ion	Ratio	Lower	Upper
180	100		
182	92.7	74.3	111.5
145	29.4	23.0	34.6

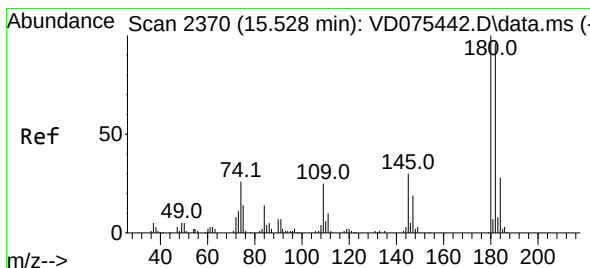
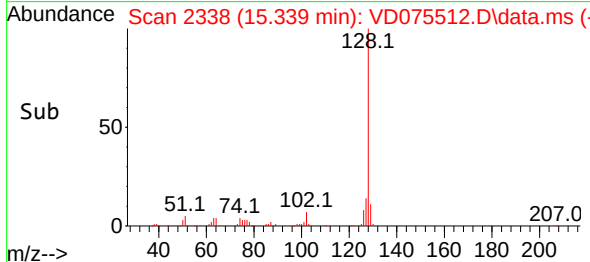
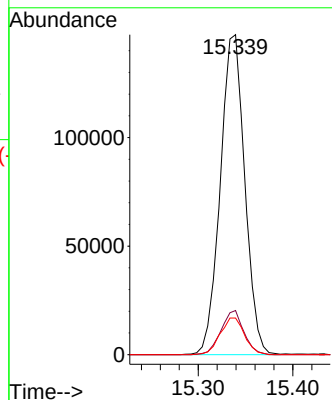
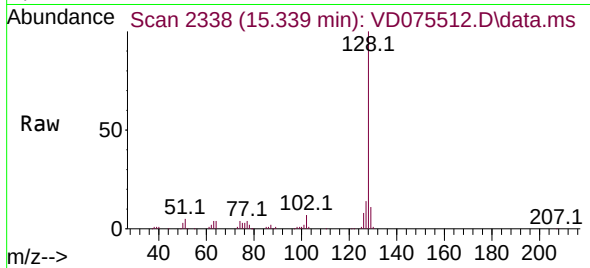




#71
Naphthalene
Concen: 27.198 ug/L
RT: 15.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTD025108

Tgt Ion:128 Resp: 265277
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.4 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 28.843 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. -0.000 min
Lab File: VD075512.D
Acq: 20 Mar 2023 10:56

Tgt Ion:180 Resp: 125024
Ion Ratio Lower Upper
180 100
182 95.5 75.3 112.9
145 30.6 25.1 37.7

